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ABSTRACT

Using data from the 1986-87 National Postsecondary Student Aid Study (NPSAS), this statistical report profiles undergraduate students enrolled in postsecondary institutions in the United States. NPSAS data were supplemented with data from other sources, particularly, the Integrated Postsecondary Education Data System and High School and Beyond Study. In the fall of 1987, 12.4 million students were enrolled as undergraduates in American postsecondary institutions (7.6 million on a full-time basis and 4.8 million on a part-time basis). Just over one-half of these students were enrolled in 4-year institutions. Areas addressed in this statistical report include: (1) overall undergraduate enrollments; (2) demographic and socioeconomic characteristics; (3) academic preparation; (4) enrollment characteristics; (5) sources of financial support; and (6) educational objectives and college choice. Demographic and socioeconomic categories covered include: sex, race/ethnicity; age; family background; citizenship and veteran status; income; and father's educational attainment and occupational status. Academic preparation data include: information on high school graduation; high school concentrations; and Scholastic Aptitude Test and American College Test scores. Enrollment characteristics include: types of institutions attended; attendance status; housing arrangements; fields of study; and remedial education status. Dependency status and sources of support are also provided in the area of student aid. Twenty-two graphs and 26 data tables are provided. A glossary, technical notes, a discussion of the study methodology, and 28 supplemental tables are appended. (TJH)

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Survey Report

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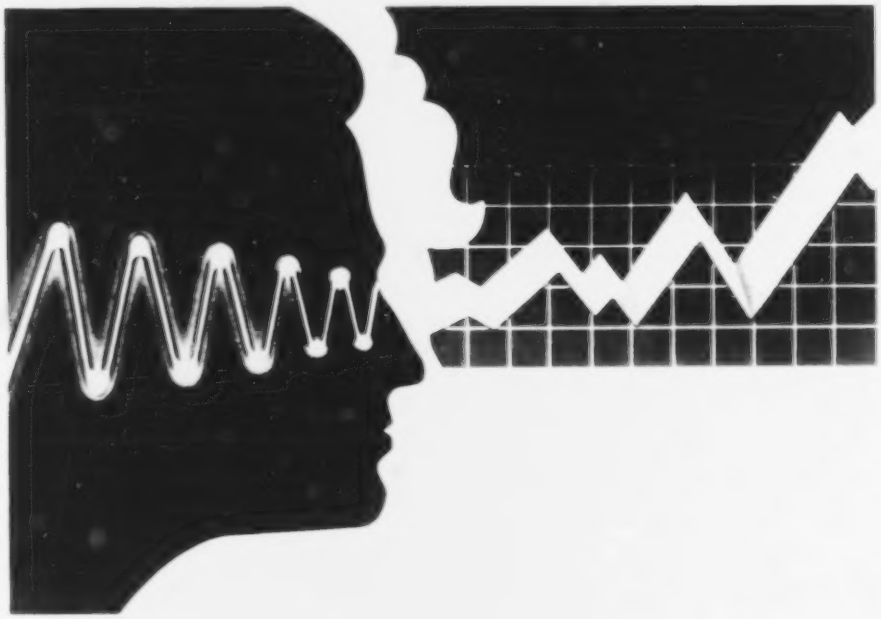

Profile of Undergraduates in American Postsecondary Institutions

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Profile of Undergraduates in American Postsecondary Institutions

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September 1990

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Highlights

This report profiles undergraduate students enrolled in postsecondary institutions. It relies primarily on data from the 1986-87 National Postsecondary Student Aid Study (NPSAS). This information is supplemented with data from other sources, particularly the Integrated Postsecondary Education Data System (IPEDS) and High School and Beyond (HS&B). Some of the major highlights are as follows:

- In the fall of 1987, 12.4 million students were enrolled as undergraduates in American postsecondary institutions, 7.6 million on a full-time basis and 4.8 million on a part-time basis. Just over one-half were enrolled in 4-year institutions.

- Of the fall 1986 undergraduates, 45 percent were male and 55 percent were female. The majority (60 percent) were in the traditional college-age category of 23 years old or younger, but 23 percent were 30 years old or older.

- Overall, a little more than three-fourths of the students were white, but there was considerable variation by type of institution. At 4-year institutions granting doctoral degrees, 82 percent were white; at 2-year institutions, 75 percent were white; and at less-than-2-year institutions, 60 percent were white.

- Approximately one-half of the fall 1986 undergraduates reported coming from families with annual incomes over $30,000, and almost one-fourth came from families with annual incomes of $50,000 or more.

- About one-half of the undergraduates had fathers with only a high school diploma or less. One-fourth had fathers with vocational or associate degrees, and one-fourth had fathers with bachelor's or advanced degrees.

- The vast majority of fall 1986 undergraduates (91 percent) received a high school diploma before entering a postsecondary institution. At less-than-2-year institutions, however, only 70 percent received a regular high school diploma.

- The average verbal Scholastic Aptitude Test score for college-bound high school seniors was 430 in 1986-87, and the average math score was 476. Scores declined through the late 1960s and 1970s, but have increased slightly since 1980-81.

- In fall 1986, 77 percent of all undergraduates attended public institutions. Another 18 percent attended private, nonprofit institutions, and five percent attended private, for-profit institutions.Those attending public institutions were roughly equally divided between 4-year and less-than-4-year schools.

- Choice of institution type varied with race/ethnicity, age, income, and parents' education. Whites, younger students, students from high income families, and students with well-educated parents were the most likely to attend private, nonprofit, institutions.

- In fall 1986, the majority of undergraduates (62 percent) were enrolled full-time. In 4-year and less-than-2-year institutions, 75 percent or more were enrolled full-time. In 2-year institutions, on the other hand, only 39 percent were enrolled full-time.

- Fifty percent of the fall 1986 undergraduates lived on their own, off-campus. Another 30 percent lived with their parents, and the remaining 20 percent lived in school-owned housing. In 4-year institutions, about one-third lived in school-owned housing, compared to only 3 percent in 2-year institutions and 1 percent in less-than-2-year institutions.

- Business/marketing was the most commonly reported field of study, with 29 percent of all students in this category.

- Eighteen percent of all undergraduates took some remedial education the first year they were enrolled.

- Sixty-three percent of all undergraduates were financially dependent on their parents, although the majority received some kind of financial aid or otherwise contirbuted to the cost of their education. Among those 23 years old or younger, 90 percent were financially dependent.

- Approximately three-fourths of all undergraduates contributed towards financing their own education or received financial support from their spouses. Approximately one-half of all students received some kind of financial aid—federal, state, institutional, or other.

- Fifty-nine percent of the fall 1986 undergraduates worked while they were in school. They worked an average of 23 hours per week if they were enrolled full-time and an average of 36 hours per week if they were enrolled part-time.

- Fifty-three percent of the fall 1986 undergraduates were working toward a bachelor's degree, 22 percent toward an associate degree, and 9 percent towards certificates. Six percent were seeking no formal award, and 3 percent were undecided.

Foreword

Undergraduate students in postsecondary institutions represent an important pool of human resources in this country. Educators and policymakers as well as the general public have been concerned about the size and composition of this pool. They frequently have raised such questions as: Who enters postsecondary education institutions? What are their social and economic backgrounds? What are their educational experiences? Unfortunately, answers to these questions are not readily available from one comprehensive source.

To fill this information gap, this report attempts to profile undergraduate students enrolled in American postsecondary institutions. It presents a collection of statistics and indicators of student background, characteristics, educational experience, and aspiration.

The report relies primarily on data from the 1986-87 National Postsecondary Student Aid Study (NPSAS). However, some data from the Integrated Postsecondary Education Data System (IPEDS), the High School and Beyond Study (HS&B), and other sources are included as well. Data files are available for those researchers who want to pursue their own analyses.

We hope that anyone with an interest in postsecondary education will find this report informative and useful. To assure that future editions of the *Profile of Undergraduates* will have even greater value for the postsecondary education community, we welcome recommendations for improving the format, content, or analysis.

Samuel S. Peng
Acting Associate Commissioner
Postsecondary Education
Statistics Division

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Longitudinal Studies Branch

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CHAPTER I

INTRODUCTION

Background

American postsecondary education has become a large, diverse enterprise. In the last few years, more than 11 million undergraduates have enrolled in postsecondary institutions that range from schools offering vocational training programs of only a few months duration to 4-year universities offering doctoral degrees. The educational goals of students attending these institutions have also been diverse. Some students have enrolled to obtain a bachelor's degree, others have enrolled to obtain an associate degree, a certificate or a diploma, and still others have attended without seeking a formal award.

Because postsecondary students represent an important pool of human resources in this country, many programs have been established to enlarge and enhance this pool. To broaden the pool, federal, state, and institutional programs have provided students with a substantial amount of financial aid, and many institutions have made serious efforts to recruit students from groups that traditionally have been underrepresented in postsecondary education. To help undergraduates succeed once enrolled, many institutions have developed remedial programs and provided an extensive array of support services.

As educators and policymakers have become increasingly concerned about the size and composition of the undergraduate population, they have raised a number of interesting questions: Who enters postsecondary education institutions? What are their social and economic backgrounds? What were their high school educational experiences? What types of institutions do these students attend? What level of education do they ultimately plan to achieve? How do their backgrounds affect the educational choices they make?

Answers to such questions can help education program planners to identify specific areas that need improvement and segments of the undergraduate population that require special assistance. Unfortunately, the needed information is not yet readily available from one comprehensive source. Except for counts of students in various types of institutions and the basic distribution of students by sex, race, and full- and part-time status (collected on an annual basis through the Digest of Education Statistics), information about student demographics, family income, parental education, student aspiration and other educational experiences are generally scarce. At best, this information is reported sporadically in special studies.

Purpose of this Report

The primary purpose of this report is to fill this information gap by synthesizing as much data as possible about student background and characteristics from various existing data sources. The report relies primarily on the National Postsecondary Student Aid Study (NPSAS). To supplement this information, some data from the Integrated Postsecondary Education Data System (IPEDS), the High School and Beyond Study (HS&B), and other sources are included as well.

The 1986-87 NPSAS, designed to answer fundamental questions about financial aid, included a national sample of students who enrolled in Fall 1986 at all academic levels and at all types of institutions. NCES has recently published a report on undergraduate financing of

postsecondary education that examines in detail education expenses, sources and types of aid, federal aid programs, composition of student aid awards, and sources of financial support to undergraduates.[1] Because the NPSAS data base contains a wealth of information on students' socioeconomic characteristics and on their academic backgrounds, programs, and objectives, it can also be used to present a comprehensive picture of American undergraduates today—one that goes beyond how students financed their education.

Because the NPSAS data were collected in the fall, they do not represent all students who enrolled in a postsecondary institution during the 1986-87 school year. Students who did not enroll until after the fall term or who enrolled in short-term programs not in session at the time of the data collection are not represented in the sample. As a result, there are limitations in using the NPSAS data to estimate total numbers of students enrolled. However, estimates of percentages of students with various characteristics are accurate to the extent that students enrolled in the fall and at other times have similar characteristics.

Data from the High School and Beyond Study are somewhat different from data from the 1986–87 NPSAS. Rather than representing all students enrolled in postsecondary education at a particular point in time, HS&B represents a specific cohort of students who were high school seniors in 1980. Although data from the 1980 seniors may not accurately reflect the attitudes of all undergraduates, the data do represent younger undergraduates (23 years old or younger).

The Integrated Postsecondary Data System (IPEDS) is an extension and expansion of earlier data collection efforts by NCES and began with surveys for the 1986-87 school year. Building on the Higher Education General Information Survey (HEGIS), IPEDS includes data on all 4-year institutions, all 2-year institutions, all public less-than-2-year institutions, and a sample of private nonprofit and private for-profit less-than-two-year institutions.

Because this report presents many detailed statistics in the text and appendices, it can serve as a valuable reference. Statistics of major interest are highlighted graphically and discussed in the text to help users use and interpret the data. The ultimate goal is to publish a series of reports presenting trend data. However, the majority of the statistics included in this report cover Fall 1986 only, because very few comparable trend data are currently available. This problem will be partially solved when the NPSAS—first done in Fall 1986—is established as a regular data collection repeated every three years.

Organization of the Report

This report relies primarily on data for the fall of 1986 to profile undergraduate students enrolled in postsecondary institutions. Each chapter emphasizes one particular aspect of enrollment. Chapter II provides an overview of undergraduate enrollment in recent years and is based on data from the Integrated Postsecondary Education Data System. Chapter III presents data on students' demographic and socioeconomic characteristics, including sex, race, age, marital status, number of dependent children, citizenship status, veteran status, income, and father's education and occupation. Chapter IV describes their academic preparation in high school. Chapter V presents information on students' enrollment characteristics: what types of institutions students attended, whether students were part- or full-time, whether they lived on or off campus, what they were studying, and what remedial education they received. Chapter VI describes students' sources of support, looking at financially dependent and independent

[1]Roslyn Korb et al., *Undergraduate Financing of Postsecondary Education: A Report of the National Postsecondary Student Aid Study*, Washington, D.C., National Center for Education Statistics, U.S. Department of Education, 1988, CS 88-239.

students separately. Chapter VII describes students' educational goals and examines their attitudes and voting patterns.This report presents all of this information for undergraduates as a group, and also separately for students with different demographic and socioeconomic characteristics and for those attending different types of institutions.

The report contains three appendices: Appendix A is a glossary that describes each row and column variable included in the tables. For each variable, the glossary indicates the source of the data (whether it came from the Student Questionnaire, the Parent Questionnaire, the Institutional Record, or was derived by NCES or MPR Associates) and defines each category in detail. Appendix B provides technical information on the data used. Appendix C presents supplemental tables.

Each chapter contains a series of tables that present data related to the chapter's topic, preceded by a brief written and graphic summary of the highlights. The tables in Chapter II show actual numbers of students enrolled, but those in the remaining chapters show percentages only—specifically, row percentages. For example, the entry in the second row (males), third column (Asians) of Table III.1 indicates that 6.1 percent of the male students were Asian. To find the percentage of Asian students who were male, one can refer to the fourth row (Asians), first column (males) of the same table. Although it is not always possible to find this type of complementary information in one table, the information is usually available elsewhere in the report. For example, Table III.1 shows that 46.2 percent of full-time students are male. By referring to Table V.2 in Chapter V, which describes enrollment characteristics, one can find that 64.1 percent of males were enrolled full-time.

Differences among groups reported throughout the text were evaluated using a two-tailed t-test. Unless otherwise noted, differences reported were significant to the $p \leq .05$ level for each family of tests. An explanation of the procedure used is given in the technical notes and methodology section (Appendix B). Not all significant findings are discussed.

CHAPTER II

OVERVIEW OF UNDERGRADUATE ENROLLMENT

In the fall of 1987, 12.4 million undergraduate students were enrolled in American postsecondary institutions: 7.6 million on a full-time basis and 4.8 million on a part-time basis (Table II.1). Slightly more than one-half of these students (6.5 million) were enrolled in 4-year institutions. A majority of the rest (5.1 million) were enrolled in 2-year institutions. A total of 833,000 were enrolled in less-than-2-year institutions.[1]

In 2- and 4-year institutions, the majority of students were enrolled in public, rather than private institutions (Table II.2). In less-than-2-year institutions, on the other hand, the private, for-profit sector dominated, with 73 percent of the enrollment. Chapter V presents additional information on the types of institutions attended by students.

Between 1969 and 1986, total undergraduate enrollment in institutions of higher education (a subset of all postsecondary institutions) grew from 6.9 million to 10.8 million, an increase of 57 percent (Table II.2).[2] Most of this growth occurred in the 1970s, with total enrollment reaching 10.5 million in 1980. However, between 1981 and 1986, enrollment remained relatively constant, around 10.8 million. These numbers are smaller than the total of 12.4 million shown in Table II.1 for the following reason: Table II.2 includes only enrollment in institutions of higher education, while Table II.1 includes enrollment in all postsecondary institutions, a broader category. The term "institutions of higher education" refers to institutions that are accredited by an organization recognized by the Secretary of Education.

The greatest change occurred in part-time enrollment, which increased 132 percent (from 1.9 million to 4.4 million) between 1969 and 1986 (Table II.2 and Figure II.1). Full-time enrollment, on the other hand, grew only 26 percent during this period. Part-time enrollment of females more than tripled, growing from 837,000 in 1969 to 2.6 million in 1986. Part-time enrollment of males grew 73 percent, from 1.1 million in 1969 to 1.9 million in 1986.

Growth has been greater in the public sector than in the private sector. In 1969, 5.2 million undergraduate students were enrolled in public institutions of higher education. By 1986, the number had risen to 8.7 million, an increase of 67 percent (Figure II.2). Growth in private institutions during the same period was a much more modest 24 percent, from 1.7 million to 2.1 million.

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[1]Note that fall enrollment differs from full-year enrollment. This distinction can be important when counting students in less-than-four-year institutions, many of which have short-term programs. A count of fall enrollment can understate significantly the number of students who enroll during a year.

[2] These numbers are smaller than the total of 12.4 million shown in Table I.1: Table I.2 includes only enrollment in institutions of higher education, while Table I.1 includes enrollment in all postsecondary institutions, a broader category. The term "institutions of higher education" refers to institutions that are accredited by an organization recognized by the Secretary of Education.

Figure II.1--Full- and part-time enrollment in institutions of higher education: 1969-1986 (millions)

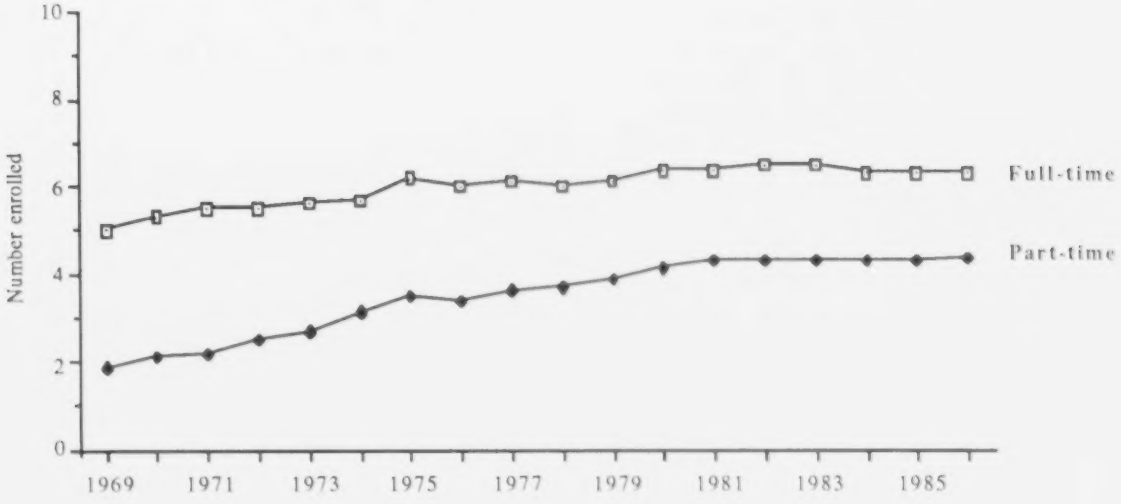
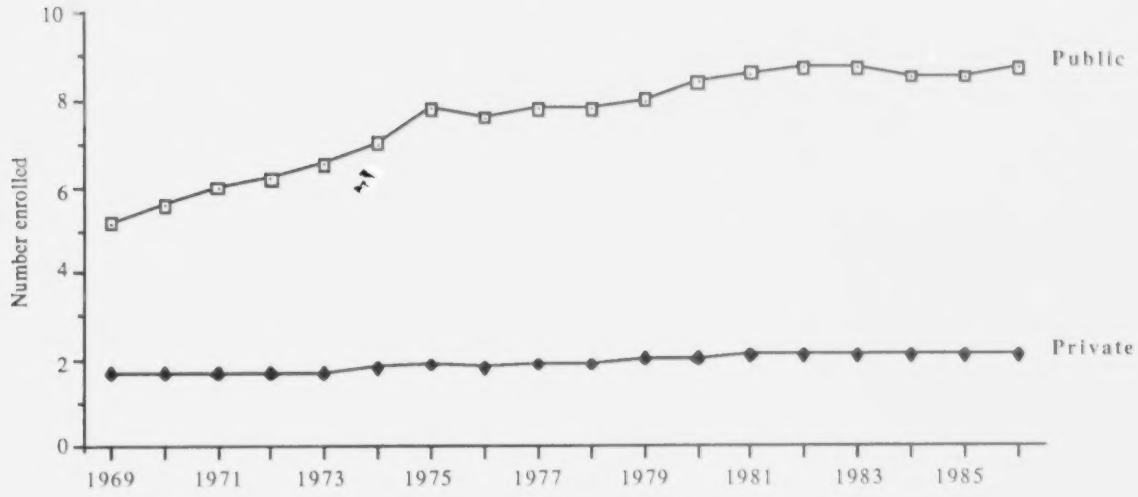


Figure II.2--Public and private sector enrollment in institutions of higher education: 1969-1986 (millions)



SOURCE: U.S. Department of Education, Center for Education Statistics, *Projections of Education Statistics to 1988-89*; *Projections of Education Statistics to 1990-91*; and *Fall Enrollment in Colleges and Universities* surveys.

Table II.1 -- Total enrollment in all postsecondary institutions, by offering level, control, and attendance status: Fall 1987

	All institutions	Public	Private non-profit	Private for-profit
Total	12,391,860	9,332,605	2,172,210	887,045
Full-time	7,631,872	5,148,651	1,652,506	830,715
Part-time	4,759,988	4,183,954	519,704	56,330
Four-year	6,496,441	4,449,614	1,991,538	55,289
Full-time	4,903,351	3,348,999	1,510,557	43,795
Part-time	1,593,090	1,100,615	480,981	11,494
Two-year	5,062,307	4,706,248	136,067	219,992
Full-time	1,895,409	1,622,909	97,344	175,156
Part-time	3,166,898	3,083,339	38,723	44,836
Less-than-2-year	833,112	176,743	44,605	611,764

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Fall Enrollment in Higher Education, 1987*, CS-89-319, 1989.

Table II.2 -- Total enrollment in institutions of higher education, by sex and attendance status (in thousands): Fall 1969 to fall 1986

				Men		Women	
	Total	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
1969	6,884	4,991	1,893	2,952	1,056	2,039	837
1970	7,376	5,280	2,096	3,097	1,157	2,183	939
1971	7,743	5,512	2,231	3,201	1,217	2,311	1,014
1972	7,941	5,488	2,453	3,121	1,308	2,367	1,145
1973	8,261	5,580	2,681	3,135	1,403	2,445	1,278
1974	8,798	5,726	3,072	3,191	1,574	2,535	1,498
1975	9,679	6,169	3,510	3,459	1,798	2,710	1,712
1976	9,429	6,030	3,399	3,242	1,660	2,788	1,739
1977	9,714	6,093	3,621	3,188	1,708	2,905	1,913
1978	9,691	5,967	3,724	3,072	1,694	2,895	2,030
1979	9,998	6,080	3,919	3,087	1,734	2,993	2,185
1980	10,475	6,362	4,113	3,227	1,773	3,135	2,340
1981	10,755	6,449	4,306	3,261	1,848	3,188	2,458
1982	10,825	6,484	4,341	3,299	1,871	3,184	2,470
1983	10,846	6,514	4,332	3,304	1,854	3,210	2,478
1984	10,618	6,348	4,270	3,195	1,812	3,153	2,459
1985	10,597	6,320	4,277	3,156	1,806	3,163	2,471
1986	10,797	6,348	4,449	3,145	1,873	3,203	2,576

SOURCE: U.S. Department of Education, Center for Education Statistics, Projections of *Education Statistics to 1988-89*; *Projections of Education Statistics to 1990-91*; and "Fall Enrollment in Colleges and Universities" surveys. (This table was prepared March 1988.)

Table II.3 -- Total enrollment in public and private institutions of higher education, by sex (in thousands): Fall 1969 to fall 1986

	Total			Men		Women	
	Total	Public	Private	Public	Private	Public	Private
1969	6,884	5,159	1,725	2,997	1,011	2,162	714
1970	7,376	5,628	1,748	3,241	1,013	2,387	735
1971	7,743	6,007	1,736	3,427	991	2,580	745
1972	7,941	6,223	1,718	3,467	962	2,756	756
1973	8,261	6,522	1,739	3,579	959	2,943	780
1974	8,798	7,031	1,767	3,799	966	3,232	801
1975	9,679	7,826	1,853	4,245	1,012	3,581	841
1976	9,429	7,617	1,812	3,949	953	3,668	859
1977	9,714	7,842	1,872	3,937	959	3,905	913
1978	9,691	7,786	1,905	3,812	954	3,974	951
1979	9,998	8,046	1,951	3,865	956	4,181	995
1980	10,475	8,441	2,033	4,014	985	4,427	1,048
1981	10,755	8,648	2,106	4,090	1,018	4,558	1,088
1982	10,825	8,713	2,112	4,140	1,031	4,573	1,081
1983	10,846	8,697	2,149	4,117	1,042	4,580	1,107
1984	10,618	8,494	2,124	3,990	1,017	4,504	1,107
1985	10,597	8,478	2,120	3,953	1,010	4,525	1,110
1986	10,797	8,672	2,125	4,007	1,011	4,665	1,114

SOURCE: U.S. Department of Education, Center for Education Statistics, Projections of *Education Statistics to 1988-89*; *Projections of Education Statistics to 1990-91*; and "Fall Enrollment in Colleges and Universities" surveys. (This table was prepared March 1988.)

CHAPTER III

DEMOGRAPHIC AND SOCIOECONOMIC CHARACTERISTICS

Undergraduates came from a wide range of demographic and socioeconomic backgrounds. This chapter presents information on their sex, race/ethnicity, age, family, citizenship and veteran status, income, and father's education and occupation.

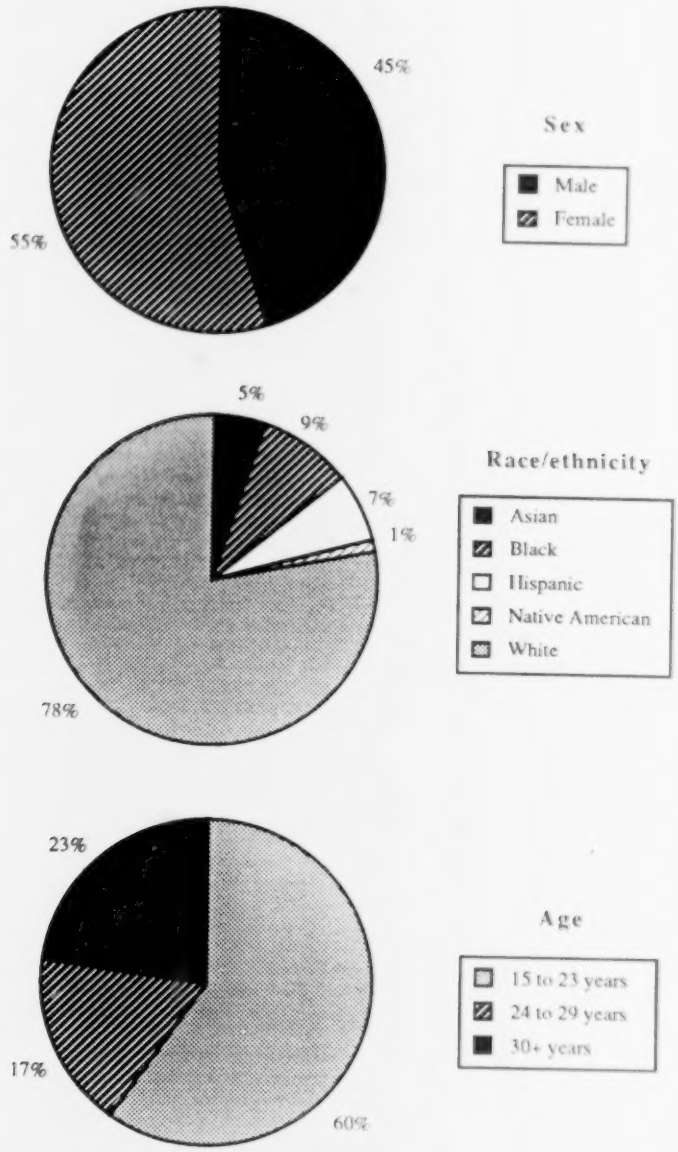
Sex, Race/Ethnicity, and Age

Among undergraduates enrolled in fall 1986, 45 percent were male and 55 percent were female (Table III.1 and Figure III.1). In a number of subgroups, more than 60 percent of the students were female. These subgroups included: blacks, Native Americans, students who were over 30 years old, students from very low income families (less than $11,000 annually), independent students (at most income levels), students seeking a certificate or no formal award, students undecided about an educational goal, students enrolled in less-than-2-year institutions, and students attending private, for-profit institutions.

More than three-fourths (78 percent) of the undergraduates in fall 1986 were white. Blacks, Hispanics, and Asians accounted for nine, seven, and 5 percent of the student populations, respectively. Only 1 percent were Native Americans. However, the racial/ethnic composition varied by type of institution. Whites made up 82 percent of the student population at 4-year, Ph.D.-granting institutions, but only 60 percent at less-than-2-year institutions. Blacks, on the other hand, made up only 7 percent of the population at 4-year, Ph.D.-granting institutions, but 20 percent at less-than-2-year institutions. Hispanics accounted for 4 percent of the population at 4-year, Ph.D.-granting institutions, but 15 percent at less-than-2-year institutions. Asians accounted for 6 percent of the population at 4-year Ph.D.-granting institutions, but 4 percent at less-than-2-year institutions.

The majority (60 percent) of the undergraduates in fall 1986 were in the traditional college-age category of 23 years old or younger, but almost one-fourth (23 percent) were 30 years old or older. Females were more likely than males to be in the oldest age group: 26 percent of the females were 30 years old or older, compared to 18 percent of the males. Financially independent students were more likely than financially dependent students to be in the oldest age group (55 percent compared to 4 percent). Part-time students were more likely than full-time students to be 30 years old or older (42 percent compared to 11 percent). Students who worked full-time were much more likely to be in the oldest age group than were those who worked part-time or not at all (44 percent compared to 15 and 19 percent, respectively). Finally, students attending less-than-2-year or 2-year institutions were more likely to be in the oldest age group than were students enrolled in 4-year institutions.

Figure III.1--Percentage distribution of undergraduates, by sex, race/ethnicity, and age: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.1 -- Percentage distribution of undergraduates, by demographic characteristics and selected student and institutional characteristics: Fall 1986

	Sex		Race					Age		
	Male	Female	Asian	Black	Hispanic	Native American	White	15-23 yrs old	24-29 yrs old	30 plus yrs old
Total	44.8	55.2	5.1	9.4	6.8	1.0	77.8	60.4	16.8	22.8
Sex										
Male	100.0	0.0	6.1	7.6	6.4	0.8	79.1	64.0	17.7	18.3
Female	0.0	100.0	4.3	10.8	7.1	1.1	76.7	57.5	16.1	26.4
Race/ethnicity										
Asian	53.2	46.8	100.0	0.0	0.0	0.0	0.0	60.2	21.0	18.8
Black	36.3	63.8	0.0	100.0	0.0	0.0	0.0	54.8	17.9	27.3
Hispanic	42.3	57.7	0.0	0.0	100.0	0.0	0.0	56.8	18.5	24.7
Native American	39.1	60.9	0.0	0.0	0.0	100.0	0.0	50.7	24.4	24.9
White	45.6	54.4	0.0	0.0	0.0	0.0	100.0	61.5	16.2	22.3
Age										
23 years or younger	47.5	52.5	5.1	8.5	6.4	0.8	79.2	100.0	0.0	0.0
24 to 29 years	47.2	52.8	6.4	10.0	7.5	1.4	74.8	0.0	100.0	0.0
30 years or older	36.0	64.0	4.2	11.2	7.4	1.0	76.2	0.0	0.0	100.0
Family income status†										
Lt $11,000	39.4	60.6	6.9	19.6	12.6	1.5	59.4	47.3	18.3	34.4
$11,000-16,999	41.9	58.1	5.8	15.4	9.7	1.5	67.6	58.8	19.0	22.3
$17,000-22,999	46.5	53.5	5.1	11.2	8.8	1.3	73.7	62.0	17.6	20.4
$23,000-29,999	48.6	51.4	4.2	6.4	7.2	0.5	81.8	68.0	16.6	15.4
$30,000-49,999	49.3	50.7	3.3	5.8	4.7	0.7	85.6	71.8	14.9	13.3
$50,000 plus	49.2	50.8	4.0	3.0	3.5	0.3	89.2	78.8	12.1	9.1
Dependency status										
Dependent	48.3	51.7	5.4	8.3	6.5	0.8	78.9	86.3	9.8	3.9
Independent	38.9	61.1	4.6	11.2	7.3	1.1	75.8	16.3	28.9	54.9
Dependent student's family income†										
Lt $11,000	44.4	55.6	10.0	21.1	12.0	0.8	56.1	79.7	12.8	7.5
$11,000-16,999	42.9	57.1	8.4	15.8	9.3	1.5	65.0	85.0	10.1	4.9
$17,000-22,999	46.8	53.2	4.3	13.4	10.8	1.6	70.0	84.6	9.8	5.6
$23,000-29,999	48.3	51.8	5.0	8.9	7.4	0.9	77.8	85.0	11.4	3.6
$30,000-49,999	50.2	49.9	4.0	4.2	4.7	0.7	86.3	87.3	9.5	3.3
$50,000 plus	49.9	50.1	4.8	2.9	3.1	0.6	88.7	89.9	7.8	2.3
Independent student's income†										
No income	39.2	60.8	9.2	13.4	7.7	1.4	68.2	22.1	19.2	58.7
$1-11,000	38.2	61.8	6.1	15.4	8.8	1.6	68.1	31.2	34.0	34.9
$11,000-16,999	42.1	57.9	3.2	13.6	9.3	1.0	73.0	18.0	33.8	48.2
$17,000-22,999	38.6	61.4	3.9	9.9	6.3	1.3	78.6	7.8	36.0	56.2
$23,000-29,999	43.0	57.0	2.3	7.0	6.6	0.7	83.5	7.4	30.3	62.3
$30,000 plus	36.4	63.6	2.9	6.4	5.2	0.7	84.7	3.5	20.7	75.9

Table III.1 -- Percentage distribution of undergraduates, by demographic characteristics and selected student and institutional characteristics: Fall 1986--Continued

	Sex		Race					Age		
	Male	Female	Asian	Black	Hispanic	Native American	White	15-23 yrs old	24-29 yrs old	30 plus yrs old
Attendance status										
Full-time	46.2	53.8	5.2	9.5	6.3	0.8	78.2	76.9	11.8	11.3
Part-time	42.6	57.4	4.9	9.2	7.5	1.3	77.1	33.2	25.0	41.8
Educational objective										
Certificate/award	38.0	62.0	4.5	13.8	11.5	1.5	68.7	43.2	21.0	35.9
Associate degree	43.2	56.8	4.2	11.4	7.3	1.3	75.9	51.0	21.1	28.0
Bachelor's degree	48.0	52.0	5.2	8.1	5.3	0.6	80.8	74.0	13.0	13.0
Other	42.8	57.2	6.6	8.1	7.4	1.0	76.8	33.6	26.6	39.8
No formal award	38.4	61.6	5.7	7.3	9.1	1.3	76.7	26.3	20.6	53.1
Undecided	39.2	60.8	7.0	9.4	7.1	1.7	74.6	64.1	14.1	21.8
Employment status										
Working full-time	50.7	49.3	3.7	8.5	6.9	1.0	79.9	26.9	28.7	44.4
Working part-time	42.3	57.7	4.6	8.9	6.5	1.0	79.1	71.7	13.7	14.6
Not employed	43.9	56.1	6.2	10.5	7.0	0.9	75.5	67.8	13.2	19.1
Type of institution										
Public 4-yr PhD	48.4	51.6	5.5	7.0	4.1	0.6	82.9	75.3	12.9	11.8
Private-np 4-yr PhD	50.6	49.4	7.4	7.9	5.3	0.4	79.1	78.0	10.8	11.2
Public 4-yr no PhD	45.7	54.3	5.0	10.6	6.2	0.8	77.4	66.1	16.0	17.9
Priv-np 4-yr no PhD	42.8	57.2	2.6	7.8	3.6	0.5	85.6	71.3	11.5	17.2
Public 2-yr	43.5	56.5	5.6	9.2	8.9	1.2	75.1	44.3	21.4	34.3
Private-np lt 4-yr	37.3	62.8	2.7	9.3	3.0	8.2	76.8	65.6	14.5	20.0
Private-fp lt 4-yr	33.1	66.9	3.3	21.1	14.1	1.1	60.3	53.0	21.4	25.6
Public lt 2-yr	43.7	56.3	4.2	14.7	7.3	0.7	73.2	39.5	21.8	38.7
Institution level										
Less than 2 years	31.6	68.4	3.9	19.8	14.8	1.2	60.4	46.2	22.1	31.7
2 to 3 years	43.3	56.7	5.4	9.7	8.7	1.4	74.9	45.7	21.1	33.2
4 years no PhD	44.8	55.2	4.0	9.5	5.2	0.7	80.6	68.2	14.2	17.7
4 years PhD	48.9	51.1	5.9	7.2	4.3	0.6	82.0	75.9	12.4	11.7
Institutional control										
Public	45.4	54.6	5.4	8.9	6.9	0.9	77.9	57.8	17.8	24.4
Private, non-profit	45.3	54.7	4.4	8.0	4.1	1.0	82.5	73.4	11.4	15.2
Private, for-profit	34.9	65.1	3.4	20.7	14.0	1.1	60.8	53.8	20.9	25.3

†See the glossary in Appendix A for a description of income data.

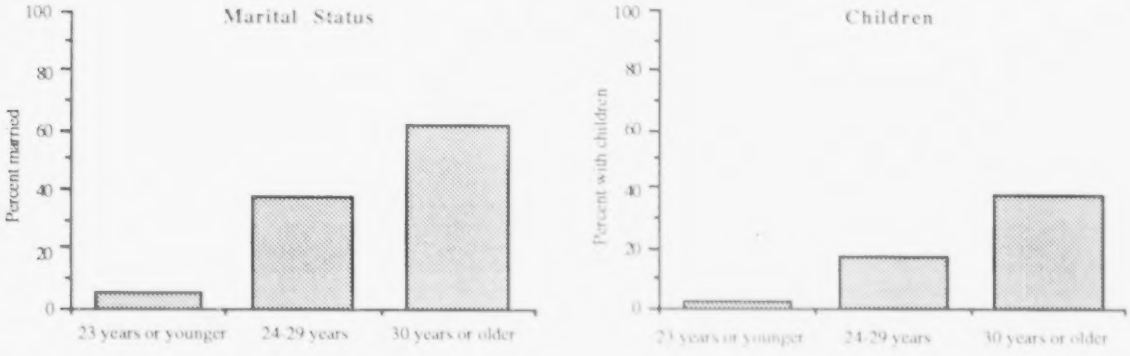
SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Family Characteristics

The majority of the fall 1986 undergraduates were single and childless (Table III.2 and Figure III.2). Seventy-six percent of the students were single, and 24 percent were married. Eighty-seven percent had no dependent children; 5 percent had one dependent child; and 8 percent had two or more dependent children. Family characteristics were closely related to age and to students' financial status. For example, 94 percent of the students who were 23 years old or younger, 86 percent of those who earned $1–$11,000 annually, and 95 percent of those who were financially dependent on their parents were single. On the other hand, 62 percent of the students 30 years old or older, 69 percent of those who earned $30,000 or more, and 56 percent of those who were financially independent were married. Of the students who were 30 years old or older, 12 percent had one dependent child, and 27 percent had two or more dependent children.

The types of institutions with the greatest proportions of married undergraduates were the public, less-than-2-year and public, 2-year institutions, in which more than one-third of the students were married and approximately one-fifth had children. In contrast, at 4-year, Ph.D.-granting institutions, only 14 percent of the students were married, and at 4-year, non-Ph.D.-granting institutions, only 19 percent were married.

Figure III.2--Percentages of undergraduates who were married and who had children, by age: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.2 -- Percentage distribution of undergraduates, by family characteristics and selected student and institutional characteristics: Fall 1986

	Marital status		Dependent children		
	Single	Married	No dependent children	One dependent child	Two + dependent children
Total	75.8	24.2	86.9	5.1	8.0
Sex					
Male	78.5	21.5	90.1	3.9	6.0
Female	73.6	26.4	84.4	6.0	9.6
Race/ethnicity					
Asian	79.7	20.3	88.4	4.8	6.9
Black	82.4	17.6	82.3	7.7	10.0
Hispanic	75.1	24.9	81.2	8.0	10.9
Native American	69.1	30.9	81.8	7.9	10.3
White	74.9	25.1	88.0	4.5	7.6
Age					
23 years or younger	93.8	6.2	98.1	1.5	0.5
24 to 29 years	62.0	38.0	81.9	8.3	9.8
30 years or older	38.2	61.9	61.1	12.3	26.6
Student's earnings					
No income	72.1	27.9	80.0	6.4	13.6
$1-11,000	86.1	14.0	93.0	3.0	4.1
$11,000-16,999	62.2	37.8	83.4	7.3	9.2
$17,000-22,999	49.9	50.1	72.0	12.3	15.7
$23,000-29,999	41.2	58.8	70.5	9.0	20.6
$30,000 plus	30.9	69.1	66.1	14.0	20.0
Family income status†					
Lt $11,000	74.7	25.3	79.8	7.8	12.5
$11,000-16,999	77.7	22.4	86.1	6.4	7.5
$17,000-22,999	77.2	22.8	87.2	4.9	7.9
$23,000-29,999	78.4	21.6	89.1	4.2	6.8
$30,000-49,999	80.2	19.8	90.3	3.2	6.5
$50,000 plus	85.1	14.9	94.2	2.0	3.8
Dependency status					
Dependent	94.6	5.4	97.8	1.4	0.8
Independent	43.7	56.3	68.4	11.3	20.3
Dependent student's family income†					
Lt $11,000	92.7	7.3	94.7	3.5	1.8
$11,000-16,999	95.0	5.0	97.5	2.0	0.6
$17,000-22,999	94.8	5.2	97.4	1.8	0.8
$23,000-29,999	93.0	7.0	97.5	1.4	1.1
$30,000-49,999	94.5	5.5	98.4	1.1	0.6
$50,000 plus	96.1	3.9	98.9	0.7	0.5

Table III.2 -- Percentage distribution of undergraduates, by family characteristics and selected student and institutional characteristics: Fall 1986--Continued

	Marital status		Dependent children		
	Single	Married	No dependent children	One dependent child	Two + dependent children
Independent student's income[†]					
No income	52.7	47.4	78.4	9.1	12.5
$1-11,000	73.9	26.1	75.9	9.0	15.1
$11,000-16,999	53.2	46.9	69.6	11.5	18.9
$17,000-22,999	42.8	57.2	67.3	13.4	19.2
$23,000-29,999	24.5	75.5	63.0	11.8	25.2
$30,000 plus	9.6	90.5	58.3	13.4	28.3
Attendance status					
Full-time	86.8	13.2	92.3	2.9	4.8
Part-time	57.6	42.4	78.0	8.6	13.4
Educational objective					
Certificate/award	65.3	34.7	79.1	7.4	13.5
Associate degree	69.6	30.4	81.8	6.5	11.7
Bachelor's degree	84.3	15.7	92.4	3.2	4.4
Other	59.0	41.0	79.6	7.1	13.4
No formal award	54.8	45.2	81.1	8.7	10.2
Undecided	79.6	20.4	81.9	7.7	10.5
Employment status					
Working full-time	54.7	45.3	78.5	9.0	12.5
Working part-time	82.7	17.3	92.0	3.3	4.7
Not employed	80.5	19.5	86.6	4.6	8.8
Type of institution					
Public 4-yr PhD	85.1	14.9	93.4	3.0	3.6
Private-np 4-yr PhD	87.3	12.7	94.1	2.4	3.5
Public 4-yr no PhD	80.5	19.5	89.4	4.1	6.5
Priv-np 4-yr no PhD	82.0	18.0	91.5	3.1	5.4
Public 2-yr	65.0	35.0	80.2	7.4	12.3
Private-np lt 4-yr	78.0	22.0	87.2	5.3	7.5
Private-fp lt 4-yr	73.3	26.7	82.6	7.0	10.4
Public lt 2-yr	63.8	36.2	77.6	8.1	14.3
Institution level					
Less than 2 years	68.6	31.4	79.9	7.7	12.4
2 to 3 years	66.0	34.0	80.7	7.3	12.0
4 years no PhD	81.1	18.9	90.3	3.7	6.1
4 years PhD	85.6	14.4	93.6	2.9	3.6
Institutional control					
Public	74.0	26.0	86.0	5.5	8.6
Private, non-profit	83.7	16.3	92.2	3.0	4.9
Private, for-profit	73.8	26.2	83.1	6.8	10.2

[†]See the glossary in Appendix A for a description of income data.

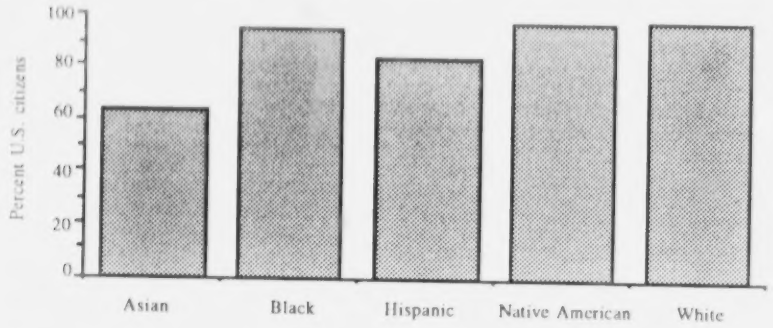
SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Citizenship and Veteran Status

Overall, 96 percent of the fall 1986 undergraduates were U.S. citizens. Three percent were resident aliens, and 1 percent were non-resident aliens (Table III.3). Asians and Hispanics were least likely to be U.S. citizens. Only 63 percent of Asians and 84 percent of Hispanics were citizens, compared to 95 percent or more of blacks, whites, and Native Americans. Asians were much more likely than any other group of students to be non-resident aliens: 9 percent were in this category, compared to 2 percent of blacks and Hispanics and less than 1 percent of whites and Native Americans (Figure III.3).

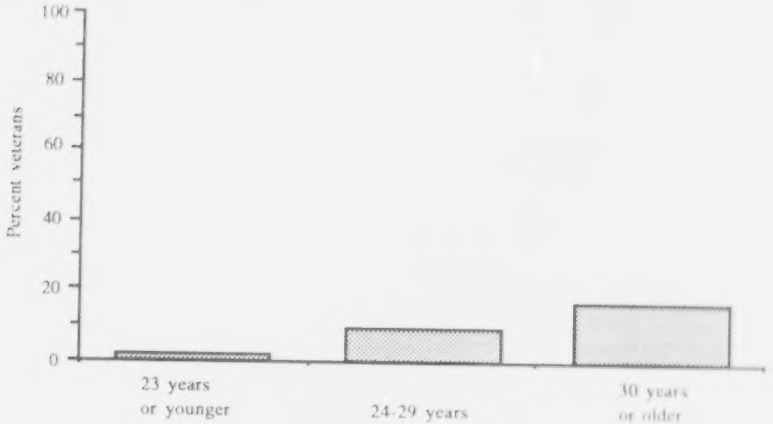
Relatively few students were veterans—only 7 percent (Table III.3 and Figure III.4). Among the males, however, 13 percent were in this category. Older students were much more likely than younger students to be veterans. Seventeen percent of those 30 years old or older were veterans, compared to only 2 percent of those 23 or younger and 9 percent of those 24 to 29 years old.

Figure III.3--Percentage of undergraduates who were citizens, by race: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Figure III.4--Percentage of undergraduates who were veterans, by age: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.3 -- Percentage distribution of undergraduates, by citizenship status, veteran status, and selected student and institutional characteristics: Fall 1986

	Citizenship			Veteran status	
	U.S. citizen	Resident alien	Non-res alien	Veteran	Non veteran
Total	95.6	3.4	1.0	6.6	93.4
Sex					
Male	94.9	3.8	1.3	13.1	86.9
Female	96.2	3.0	0.8	1.4	98.6
Race/ethnicity					
Asian	62.7	28.6	8.7	3.8	96.2
Black	94.9	3.5	1.6	8.7	91.3
Hispanic	83.8	14.1	2.1	6.1	93.9
Native American	98.2	1.5	0.3	4.5	95.5
White	98.9	0.8	0.3	6.7	93.4
Age					
23 years or younger	96.2	2.9	0.9	2.0	98.0
24 to 29 years	93.0	5.2	1.8	9.1	90.9
30 years or older	96.1	3.3	0.6	17.1	82.9
Family income status†					
Lt $11,000	90.9	7.2	1.9	10.0	90.0
$11,000-16,999	93.7	5.2	1.1	7.0	93.0
$17,000-22,999	95.4	4.0	0.7	6.7	93.3
$23,000-29,999	96.3	2.9	0.8	5.7	94.3
$30,000-49,999	98.1	1.4	0.5	5.1	94.9
$50,000 plus	98.3	1.2	0.6	3.0	97.0
Dependency status					
Dependent	95.8	3.0	1.2	2.9	97.1
Independent	95.3	4.0	0.7	13.0	87.0
Dependent student's family income†					
Lt $11,000	90.5	7.3	2.1	4.6	95.4
$11,000-16,999	92.8	6.2	1.0	3.1	96.9
$17,000-22,999	93.8	4.5	1.7	3.9	96.1
$23,000-29,999	96.0	2.9	1.2	2.8	97.2
$30,000-49,999	97.8	1.2	0.9	2.7	97.3
$50,000 plus	97.4	1.7	1.0	2.1	97.9
Independent student's income†					
No income	91.3	6.7	2.1	15.0	85.0
$1-11,000	93.0	6.2	0.8	9.4	90.6
$11,000-16,999	94.6	4.9	0.5	13.1	87.0
$17,000-22,999	97.1	2.7	0.2	14.3	85.7
$23,000-29,999	97.8	2.1	0.1	17.4	82.6
$30,000 plus	98.1	1.4	0.5	13.8	86.2

Table III.3 -- Percentage distribution of undergraduates, by citizenship status, veteran status, and selected student and institutional characteristics: Fall 1986--Continued

	Citizenship			Veteran status	
	U.S. citizen	Resident alien	Non-res alien	Veteran	Non veteran
Attendance status					
Full-time	95.4	3.4	1.2	4.5	95.5
Part-time	96.0	3.3	0.7	10.2	89.8
Educational objective					
Certificate/award	94.8	4.6	0.6	8.7	91.3
Associate degree	96.2	3.1	0.7	8.8	91.2
Bachelor's degree	95.9	3.0	1.2	4.6	95.4
Other	94.6	3.9	1.5	8.9	91.1
No formal award	94.8	4.2	1.0	10.7	89.3
Undecided	94.5	5.0	0.5	6.8	93.2
Type of institution					
Public 4-yr PhD	96.6	2.2	1.3	4.0	96.0
Private-np 4-yr PhD	95.0	3.2	1.9	3.1	96.9
Public 4-yr no PhD	95.0	3.7	1.3	5.5	94.5
Priv-np 4-yr no PhD	98.0	1.4	0.6	4.8	95.2
Public 2-yr	94.8	4.4	0.8	9.7	90.3
Private-np lt 4-yr	97.0	2.6	0.4	4.5	95.6
Private-fp lt 4-yr	94.5	5.2	0.4	7.2	92.8
Public lt 2-yr	99.3	0.7	0.0	11.2	88.8
Institution level					
Less than 2 years	95.2	4.5	0.3	7.6	92.4
2 to 3 years	94.9	4.3	0.8	9.5	90.5
4 years no PhD	96.2	2.8	1.0	5.3	94.8
4 years PhD	96.2	2.4	1.4	3.8	96.2
Institutional control					
Public	95.4	3.6	1.0	7.2	92.8
Private, non-profit	96.8	2.2	1.1	4.1	95.9
Private, for-profit	94.6	5.1	0.4	7.3	92.7

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Income

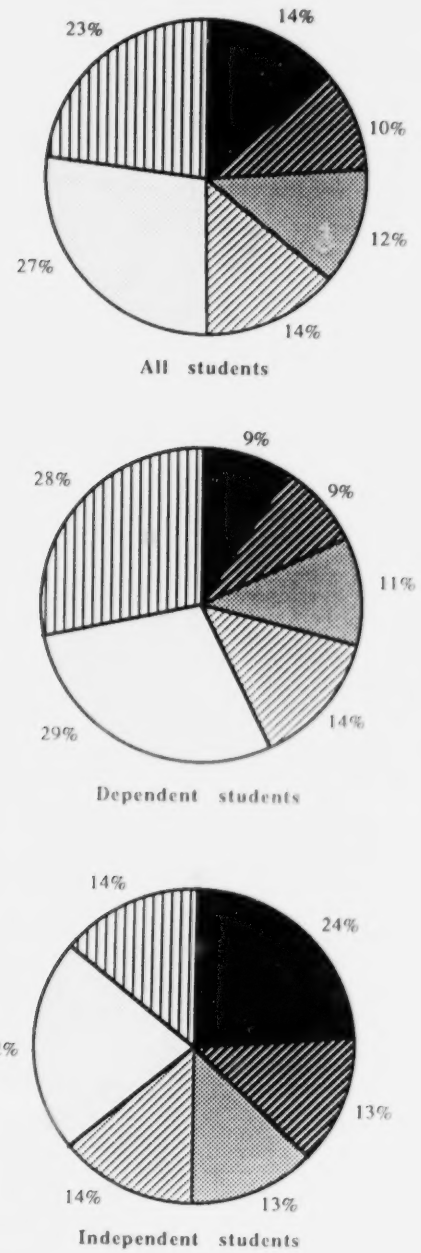
Approximately one-half of the fall 1986 undergraduates came (according to their report) from families with annual incomes of $30,000 or more, and almost one-fourth came from families with incomes of $50,000 or more (Table III.4 and Figure III.5).[1] There were marked differences in family income by race/ethnicity, however. While 26 percent of the white students and 21 percent of the Asians reported family incomes of $50,000 or more, only 8 percent of blacks, 12 percent of Hispanics, and 9 percent of Native Americans reported family incomes in this category. At the other end of the income scale, only 10 percent of the white students came from families with annual incomes of less than $11,000, compared to 21 percent of the Asians, 31 percent of the blacks, 25 percent of the Hispanics, and 24 percent of the Native Americans.

Family income and financial dependency status were also related. Of the independent students, 24 percent came from families with incomes of less than $11,000, and only 14 percent came from families with incomes of $50,000 or more. In comparison, only 9 percent of the dependent students came from families with incomes of less than $11,000, and 28 percent came from families with incomes of $50,000 or more. Tables III.5 and III.6 show family income by selected student and institutional characteristics for dependent and independent students separately. Note that family income in these two tables refers to actual income rather than student-reported family income status. The glossary in Appendix A describes this difference in detail.

Students at the various types of institutions tended to have different family incomes. The institutions offering short-term vocational programs (private, for-profit and public, less-than-2-year institutions) had the most students from low income families: approximately 30 percent were in the less than $11,000 category. however, no more than 13 percent were in this category at any of the 4-year institutions. Private, nonprofit, 4-year, Ph.D.-granting institutions had the wealthiest students: 42 percent of their students came from families with incomes of $50,000 or more, and only 7 percent came from families with incomes of less than $11,000.

[1]There are two measures of family income. "Family income status" is the student's estimate of parent income. "Dependent student's family income" is from the financial aid record if the student had one, from the parent's questionnaire if there was no financial aid record, and imputed if there was no questionnaire.

Figure III.5--Percentage distribution of undergraduates, by family income status and dependency status: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.4 -- Percentage distribution of undergraduates, by student-reported family income status and selected student and institutional characteristics: Fall 1986

	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000-$49,999	$50,000 plus
Total	13.6	10.5	11.8	13.9	27.0	23.3
Sex						
Male	11.5	9.4	11.7	14.4	28.4	24.6
Female	15.5	11.5	11.8	13.4	25.7	22.2
Race/ethnicity						
Asian	20.7	13.5	13.1	12.7	19.3	20.7
Black	30.5	18.5	15.1	10.1	17.8	7.9
Hispanic	25.1	14.9	15.1	14.7	18.5	11.8
Native American	24.2	18.3	18.0	8.0	22.2	9.2
White	10.2	9.0	10.9	14.3	29.2	26.3
Age						
23 years or younger	9.6	9.2	10.9	14.1	28.9	27.4
24 to 29 years	15.9	12.7	13.1	14.7	25.6	18.0
30 years or older	27.2	13.6	13.9	12.3	20.8	12.2
Dependency status						
Dependent	9.1	9.3	11.1	13.9	29.0	27.6
Independent	24.0	13.2	13.2	13.8	22.3	13.5
Dependent student's family income†						
Lt $11,000	49.4	17.1	13.4	6.3	7.5	6.3
$11,000-16,999	17.3	40.8	19.9	8.7	7.4	6.0
$17,000-22,999	9.5	23.6	34.5	17.7	7.5	7.3
$23,000-29,999	3.1	9.5	20.5	39.2	21.9	5.8
$30,000-49,999	1.3	1.5	5.4	16.1	56.8	19.0
$50,000 plus	0.4	0.4	1.2	2.7	21.1	74.2
Independent student's income†						
No income	35.4	11.3	10.7	12.9	18.1	11.6
$1-11,000	40.4	11.2	11.8	11.5	16.4	8.7
$11,000-16,999	18.3	31.9	12.4	12.2	16.4	8.8
$17,000-22,999	13.2	12.5	28.9	13.6	19.4	12.4
$23,000-29,999	14.0	12.0	14.9	27.2	21.5	10.4
$30,000 plus	13.2	7.4	8.4	11.8	35.2	24.0
Attendance status						
Full-time	12.8	10.2	10.7	13.9	27.1	25.4
Part-time	15.2	11.2	13.8	13.8	26.7	19.3

Table III.4 -- Percentage distribution of undergraduates, by student-reported family income status and selected student and institutional characteristics: Fall 1986--Continued

	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000-$49,999	$50,000 plus
Educational objective						
Certificate/award	24.8	18.1	12.8	12.6	19.7	12.1
Associate degree	17.3	11.9	14.3	14.7	26.2	15.6
Bachelor's degree	10.0	8.9	10.7	13.4	28.8	28.1
Other	15.5	11.1	9.4	16.6	24.7	22.7
No formal award	18.5	9.8	13.7	12.9	24.0	21.1
Undecided	14.2	10.0	12.1	15.6	25.1	23.0
Employment status						
Working full-time	13.8	11.8	14.0	14.7	26.4	19.3
Working part-time	12.2	10.8	11.9	14.6	28.6	21.9
Not employed	14.8	9.5	10.6	12.7	25.6	26.7
Type of institution						
Public 4-yr PhD	9.3	8.3	9.7	13.7	29.6	29.3
Private-np 4-yr PhD	6.9	7.1	8.1	10.7	25.4	41.8
Public 4-yr no PhD	12.5	10.9	12.7	14.4	28.2	21.4
Priv-np 4-yr no PhD	10.6	9.1	10.2	13.4	29.1	27.7
Public 2-yr	17.0	11.9	13.6	14.7	25.7	17.2
Private-np lt 4-yr	19.9	12.5	14.2	12.2	23.5	17.6
Private-fp lt 4-yr	28.0	17.1	14.5	13.6	17.8	9.0
Public lt 2-yr	31.3	19.4	11.7	11.1	20.2	6.4
Institution level						
Less than 2 years	31.6	18.7	13.4	12.4	16.2	7.7
2 to 3 years	17.3	12.0	13.7	14.6	25.5	16.9
4 years no PhD	11.7	10.2	11.7	14.0	28.5	23.9
4 years PhD	8.8	8.1	9.4	13.0	28.7	32.1
Institutional control						
Public	13.7	10.6	12.1	14.3	27.4	21.9
Private, non-profit	9.8	8.6	9.6	12.3	27.3	32.4
Private, for-profit	27.2	16.8	14.4	13.8	18.0	9.8

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.5 -- Percentage distribution of dependent undergraduates, by student's family income and selected student and institutional characteristics: Fall 1986

	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000-$49,999	$50,000 plus
Total	12.3	7.9	9.9	11.7	32.6	25.6
Sex						
Male	11.3	7.0	9.6	11.7	33.9	26.5
Female	13.2	8.7	10.1	11.8	31.4	24.8
Race/ethnicity						
Asian	22.6	12.1	7.7	10.7	24.2	22.7
Black	31.2	14.9	15.9	12.6	16.7	8.8
Hispanic	22.9	11.3	16.5	13.5	23.8	12.2
Native American	11.2	14.4	18.5	12.7	26.1	17.1
White	8.7	6.5	8.8	11.6	35.7	28.8
Age						
23 years or younger	11.4	7.7	9.7	11.6	33.0	26.7
24 to 29 years	16.1	8.1	9.9	13.7	31.6	20.6
30 years or older	23.4	9.7	14.1	10.9	27.0	14.9
Student's earnings						
No income	18.4	10.5	11.2	10.8	27.5	21.6
$1-11,000	11.3	7.5	9.6	11.9	33.4	26.4
$11,000-16,999	12.5	6.3	10.9	9.9	35.5	24.9
$17,000-22,999	10.9	4.7	9.2	18.7	30.8	25.6
$23,000-29,999	14.0	8.4	11.2	15.1	30.6	20.6
$30,000 plus	12.0	9.2	10.0	5.1	34.5	29.2
Family income status†						
Lt $11,000	64.7	14.8	10.5	4.1	4.8	1.1
$11,000-16,999	21.9	34.1	25.4	12.2	5.4	1.2
$17,000-22,999	14.3	13.9	31.1	22.1	16.1	2.6
$23,000-29,999	5.4	4.9	12.8	33.8	38.3	4.9
$30,000-49,999	3.1	2.0	2.6	9.0	65.0	18.3
$50,000 plus	2.7	1.7	2.6	2.5	22.8	67.6
Mother's education						
Less than HS	25.3	16.1	15.6	12.5	22.8	7.7
High school diploma	11.9	9.3	11.3	14.9	35.5	17.2
Voc tech/Some pse	14.6	7.5	9.5	11.5	34.1	22.9
AA/2 years of college	9.3	7.3	10.6	12.3	36.3	24.1
BA or BS	6.3	4.0	6.9	8.0	34.2	40.7
Advanced degree	4.3	3.1	4.3	7.7	29.4	51.2

Table III.5 -- Percentage distribution of dependent undergraduates, by student's family income and selected student and institutional characteristics: Fall 1986--Continued

	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000-$49,999	$50,000 plus
Father's education						
Less than HS	26.0	16.4	14.3	13.8	22.4	7.1
High school diploma	12.4	9.1	11.1	14.4	35.5	17.4
Voc tech/Some pse	13.2	7.3	11.2	12.5	35.9	19.9
AA/2 years of college	10.0	5.4	9.5	11.7	36.4	27.1
BA or BS	5.8	3.9	6.2	7.6	33.6	43.0
Advanced degree	4.8	3.2	5.8	8.0	30.1	48.0
Mother's occupation						
Managerial	8.9	6.1	9.1	10.5	32.3	33.1
Professional	5.6	5.0	6.9	8.4	33.6	40.5
Mktg/Sales	8.0	7.6	9.2	12.6	38.6	24.0
Tech/Support	13.1	7.2	9.1	11.7	33.6	25.4
Services	22.8	14.2	12.7	13.3	27.2	9.8
PrecProd/Crafts/Rep	16.3	16.6	14.7	14.9	28.2	9.4
Oper/Fbrctrs/Lbrs	18.3	8.2	8.9	14.6	39.5	10.6
Farm/Forest/Fish	33.9	9.7	6.9	5.8	24.3	19.5
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	13.0	7.0	10.7	13.1	32.6	23.7
Other/Unknown	20.5	8.9	11.6	11.7	25.6	21.7
Father's occupation						
Managerial	6.7	4.9	7.1	7.8	32.9	40.6
Professional	6.0	3.4	5.2	8.6	35.6	41.3
Mktg/Sales	7.4	5.9	8.7	13.9	44.5	19.7
Tech/Support	8.8	5.6	8.8	12.6	35.3	28.8
Services	13.6	11.4	13.1	16.0	30.9	15.0
PrecProd/Crafts/Rep	11.9	9.2	12.3	15.4	38.6	12.6
Oper/Fbrctrs/Lbrs	13.2	12.0	12.9	17.0	31.7	13.2
Farm/Forest/Fish	30.1	12.5	14.8	13.9	13.6	15.2
Military	16.5	7.8	12.9	12.3	31.6	19.0
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/Unknown	26.5	14.3	14.6	12.7	21.2	10.8
Enrollment level						
First year	14.0	9.0	10.8	11.8	32.6	21.9
Second year	12.9	7.7	10.3	11.5	32.6	25.1
Third year	9.9	7.2	8.9	12.2	33.5	28.3
Fourth year or more	10.0	6.4	8.2	11.1	31.8	32.5
Attendance status						
Full-time	11.8	7.9	9.4	11.5	32.3	27.2
Part-time	13.9	7.6	11.3	12.6	33.7	20.8

Table III.5 -- Percentage distribution of dependent undergraduates, by student's family income and selected student and institutional characteristics: Fall 1986--Continued

	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000-$49,999	$50,000 plus
Educational objective						
Certificate/award	22.2	13.3	12.8	10.1	28.0	13.6
Associate degree	16.3	8.5	11.6	14.0	34.1	15.5
Bachelor's degree	9.8	7.1	8.6	11.1	33.2	30.3
Other	13.4	6.4	12.7	12.0	31.3	24.2
No formal award	14.1	9.7	10.3	14.5	27.9	23.6
Undecided	13.0	7.5	12.7	10.8	31.6	24.5
Employment status						
Working full-time	13.2	7.2	11.7	12.9	32.4	22.7
Working part-time	12.0	8.0	10.2	12.0	34.2	23.6
Not employed	12.3	7.8	8.9	11.1	31.4	28.6
Geographic division						
Northeast	7.6	7.1	7.0	12.5	32.4	33.5
Mid Atlantic	11.9	8.3	9.8	13.3	31.9	24.8
East north central	9.8	7.4	9.7	11.7	35.1	26.3
West north central	10.6	6.7	8.0	13.3	38.4	23.1
South Atlantic	10.8	7.2	10.8	11.2	32.6	27.5
East south central	19.1	12.5	10.7	11.9	28.6	17.3
West south central	13.1	8.1	10.5	10.2	32.6	25.4
Mountain	11.6	9.7	11.2	12.0	32.7	22.7
Pacific	15.2	7.9	10.4	10.6	29.1	26.8
Geographic region						
Northeast	10.6	7.9	8.9	13.1	32.0	27.5
Midwest	10.1	7.1	9.2	12.2	36.2	25.3
South	12.9	8.4	10.7	11.0	31.9	25.2
West	14.3	8.4	10.6	10.9	30.0	25.9

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.6 -- Percentage distribution of independent undergraduates, by independent student's income and selected student and institutional characteristics: Fall 1986

	No income	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000 plus
Total	10.2	29.4	12.7	10.8	11.4	25.5
Sex						
Male	10.3	28.8	13.8	10.7	12.6	23.9
Female	10.1	29.7	12.1	10.9	10.6	26.6
Race/ethnicity						
Asian	20.6	39.5	8.8	9.2	5.7	16.4
Black	12.3	40.6	15.6	9.6	7.1	14.8
Hispanic	10.7	35.4	16.1	9.3	10.2	18.3
Native American	12.8	41.1	10.6	12.5	6.5	16.4
White	9.2	26.3	12.3	11.2	12.5	28.5
Age						
23 years or younger	13.8	56.3	14.1	5.2	5.2	5.5
24 to 29 years	6.8	34.6	14.9	13.5	12.0	18.3
30 years or older	10.9	18.6	11.2	11.1	12.9	35.3
Student's earnings						
No income	20.0	39.0	6.8	7.9	7.1	19.2
$1-11,000	8.2	48.8	13.1	8.0	7.2	14.8
$11,000-16,999	3.1	18.3	30.3	10.1	16.0	22.3
$17,000-22,999	0.9	7.3	15.6	26.3	14.2	35.6
$23,000-29,999	0.9	5.7	5.0	18.1	28.2	42.1
$30,000 plus	0.9	1.8	3.1	6.8	17.3	70.1
Family income status†						
Lt $11,000	8.6	53.7	10.4	6.0	6.8	14.6
$11,000-16,999	4.9	26.9	32.7	10.3	10.5	14.7
$17,000-22,999	4.8	28.5	12.8	24.0	13.2	16.9
$23,000-29,999	5.5	26.4	12.0	10.7	22.9	22.5
$30,000-49,999	4.7	23.3	9.9	9.4	11.1	41.5
$50,000 plus	5.0	20.6	8.9	10.0	8.9	46.7
Mother's education						
Less than HS	8.8	27.9	12.8	11.5	12.7	26.3
High school diploma	9.7	27.7	12.9	11.0	12.2	26.5
Voc tech/Some pse	7.6	30.3	11.6	11.3	11.7	27.5
AA/2 years of college	6.3	29.5	14.4	12.6	10.1	27.2
BA or BS	8.6	33.6	13.6	9.1	10.6	24.7
Advanced degree	12.4	33.5	12.2	10.7	8.7	22.5

Table III.6 -- Percentage distribution of independent undergraduates, by independent student's income and selected student and institutional characteristics: Fall 1986--Continued

	No income	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000 plus
Father's education						
Less than HS	8.5	27.9	13.7	10.5	12.9	26.7
High school diploma	9.7	28.1	12.2	11.2	11.8	27.0
Voc tech/Some pse	10.3	28.1	12.7	11.0	12.5	25.5
AA/2 years of college	7.6	36.8	12.4	8.7	10.8	23.7
BA or BS	9.8	29.9	14.2	9.8	8.2	28.1
Advanced degree	8.7	31.3	12.2	12.8	9.9	25.1
Mother's occupation						
Managerial	5.0	32.2	15.3	13.4	8.8	25.3
Professional	10.2	31.6	13.5	10.0	10.0	24.8
Mktg/Sales	6.7	31.4	14.6	12.2	11.0	24.0
Tech/Support	8.2	33.5	13.4	12.5	10.7	21.8
Services	10.5	35.3	15.4	9.8	10.9	18.1
PrecProd/Crafts/Rep	9.3	32.3	11.8	7.6	13.3	25.7
Oper/Fbrctrs/Lbrs	10.5	38.7	5.6	3.0	6.4	35.8
Farm/Forest/Fish	20.7	31.0	9.6	5.8	19.1	14.0
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	9.4	27.4	10.8	11.0	12.5	28.9
Other/Unknown	12.6	26.7	12.3	10.6	11.5	26.2
Father's occupation						
Managerial	6.8	29.8	13.0	11.3	11.8	27.4
Professional	8.8	30.9	13.7	9.9	10.2	26.5
Mktg/Sales	7.4	28.7	13.0	14.2	10.6	26.1
Tech/Support	8.5	25.7	12.2	10.8	13.2	29.7
Services	5.4	32.5	14.2	11.1	10.1	26.7
PrecProd/Crafts/Rep	8.3	30.5	11.9	11.9	12.7	24.7
Oper/Fbrctrs/Lbrs	9.3	32.7	14.1	8.5	11.6	23.9
Farm/Forest/Fish	10.2	29.8	9.8	11.5	13.0	25.8
Military	10.7	33.4	12.2	3.9	13.0	26.8
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/Unknown	12.8	28.3	12.8	10.5	10.9	24.7
Enrollment level						
First year	11.2	31.2	14.6	10.4	11.7	20.9
Second year	9.4	29.9	13.7	10.5	11.3	25.2
Third year	9.7	32.2	10.3	10.9	11.1	25.8
Fourth year or more	9.1	35.0	11.1	12.6	9.7	22.5
Attendance status						
Full-time	10.3	48.1	13.5	7.9	7.2	13.1
Part-time	10.1	16.7	12.2	12.8	14.3	34.0

Table III.6 -- Percentage distribution of independent undergraduates, by independent student's income and selected student and institutional characteristics: Fall 1986--Continued

	No income	Below $11,000	$11,000-$16,999	$17,000-$22,999	$23,000-$29,999	$30,000 plus
Educational objective						
Certificate/award	12.3	34.4	14.0	11.7	12.1	15.5
Associate degree	9.0	27.5	14.6	12.2	12.0	24.7
Bachelor's degree	8.4	35.1	12.1	9.7	10.8	23.8
Other	11.9	20.0	12.3	10.7	11.7	33.3
No formal award	14.0	16.3	10.3	10.3	9.8	39.4
Undecided	10.4	29.2	9.0	9.0	12.9	29.5
Employment status						
Working full-time	6.8	13.3	14.5	13.8	15.9	35.8
Working part-time	9.6	40.2	12.6	9.9	8.2	19.6
Not employed	14.8	38.4	10.8	8.2	9.1	18.8
Geographic division						
Northeast	9.4	30.6	10.5	12.3	9.8	27.4
Mid Atlantic	11.0	31.3	12.7	11.8	10.5	22.8
East north central	9.4	30.3	11.2	10.6	11.3	27.2
West north central	8.0	35.1	10.7	10.1	11.8	24.4
South Atlantic	11.1	21.7	13.6	11.4	13.1	29.1
East south central	8.9	37.1	15.2	11.8	9.7	17.2
West south central	8.9	27.2	13.3	9.0	12.3	29.4
Mountain	9.2	33.2	14.8	11.3	11.6	20.1
Pacific	12.0	31.3	11.9	10.6	10.2	23.9
Geographic region						
Northeast	10.6	31.1	12.1	11.9	10.3	24.0
Midwest	8.9	31.9	11.0	10.4	11.4	26.3
South	10.0	25.9	13.7	10.6	12.3	27.5
West	11.3	31.8	12.7	10.8	10.6	22.9

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Father's Education and Occupation

Approximately one-half of the fall 1986 undergraduates had fathers with only a high school diploma or less (Table III.7).[2] Approximately one-fourth had fathers with vocational or associate degrees, and one-fourth had fathers with bachelor's or advanced degrees. Asian students had fathers with particularly high levels of education: 22 percent of their fathers had a bachelor's degree, and another 13 percent had an advanced degree. Among Hispanic students, on the other hand, 41 percent of their fathers had less than a high school diploma. White students were the least likely to have fathers with less than a high school diploma (13 percent).

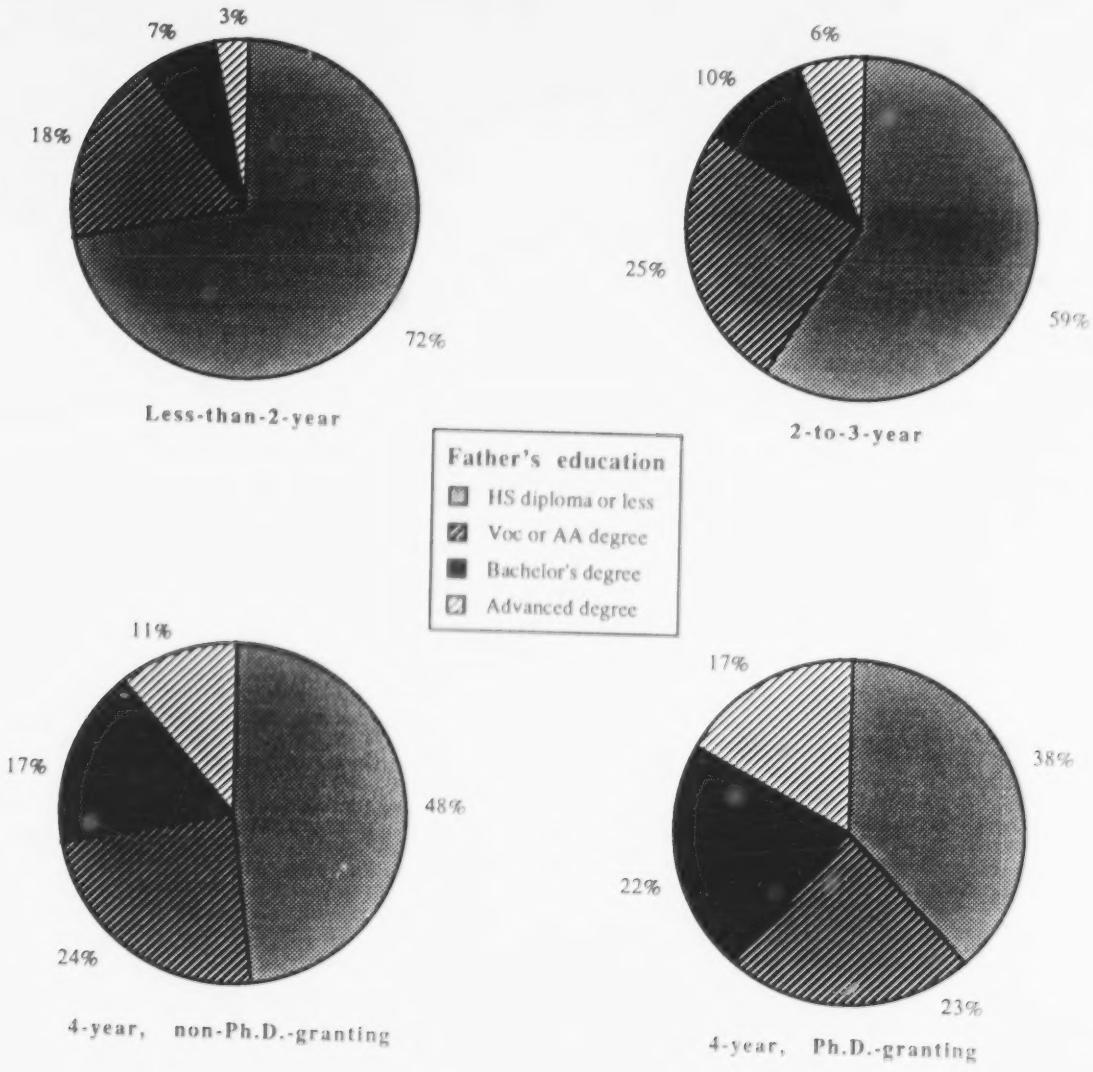
Students' educational goals were related to their fathers' education. For example, students seeking a bachelor's degree were much more likely than students seeking a certificate or an associate degree to have fathers with bachelor's or advanced degrees. Among the students seeking a bachelor's degree, 33 percent had fathers with a bachelor's or advanced degree. In contrast, only 13 percent of those seeking a certificate or award and 14 percent of those seeking an associate degree had fathers with bachelor's or advanced degrees.

The types of institutions students attended were also related to their fathers' education. Among the students attending less-than-2-year institutions, 72 percent had fathers with only a high school diploma or less (Figure III.6). Only 7 percent had fathers with a bachelor's degree, and only 3 percent had fathers with an advanced degree. In contrast, among the students enrolled in 4-year Ph.D.-granting institutions, only 32 percent had fathers with a high school diploma or less, while 22 percent had a bachelor's degree and 17 percent had an advanced degree.

Among the fall 1986 undergraduates, the most common fathers' occupations (Table III.8) were manager (18 percent), professional (15 percent), and crafts (14 percent). For a relatively high proportion of students (27 percent) either the father's occupation was unknown or the father was not working. Although there appears to be some variation in the father's occupation depending on race, income, and type of institution, the relatively large percentages of unknown/not working make it difficult to draw conclusions.

[2]About 7 percent of the undergraduates in the NPSAS survey either did not know or did not specify the highest level of education completed by their father or male guardian. These students were not included in the distributions shown in Table III.7 or in Figure III.5.

Figure III.6--Percentage distribution of undergraduates, by father's education and level of institution attended: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.7 -- Percentage distribution of undergraduates, by father's education and selected student and institutional characteristics: Fall 1986

	Less than HS diploma	HS dip only	Voc degree	AA degree	BA degree	Advanced degree
Total	16.9	33.3	15.8	8.2	15.4	10.4
Sex						
Male	14.4	34.1	15.5	8.6	16.6	10.8
Female	18.9	32.7	16.1	7.9	14.4	10.1
Race/ethnicity						
Asian	20.1	23.9	14.1	6.8	22.0	13.1
Black	28.0	34.9	15.6	8.4	7.7	5.4
Hispanic	40.9	26.3	13.7	4.7	7.6	6.9
Native American	27.8	29.9	19.2	6.0	13.5	3.6
White	13.4	34.4	16.1	8.6	16.5	11.1
Dependency status						
Dependent	11.0	32.5	15.8	9.3	18.7	12.8
Independent	27.5	34.9	15.8	6.4	9.3	6.1
Dependent student's family income[†]						
Lt $11,000	24.6	34.7	17.9	8.0	9.4	5.3
$11,000-16,999	23.8	39.3	15.3	6.6	9.6	5.4
$17,000-22,999	16.1	37.2	18.1	9.1	11.8	7.7
$23,000-29,999	13.0	40.0	16.9	9.2	12.1	8.7
$30,000-49,999	7.4	34.8	17.1	10.2	19.0	11.6
$50,000 plus	3.0	21.5	12.0	9.5	30.7	23.4
Independent student's income[†]						
No income	25.1	36.6	17.6	5.2	9.8	5.7
$1-11,000	26.5	33.9	15.3	8.1	9.6	6.6
$11,000-16,999	29.2	33.0	15.6	6.1	10.2	5.8
$17,000-22,999	26.8	36.4	16.1	5.2	8.4	7.2
$23,000-29,999	30.3	35.3	16.9	5.9	6.5	5.2
$30,000 plus	27.8	35.7	15.2	5.7	9.9	5.8
Educational objective						
Certificate/award	30.1	36.0	14.9	5.8	8.3	4.9
Associate degree	22.8	38.3	17.3	7.4	9.3	4.9
Bachelor's degree	11.4	31.3	15.4	9.1	19.4	13.4
Other	19.6	30.5	14.9	8.4	14.4	12.2
No formal award	23.0	36.3	14.4	7.1	11.3	7.9
Undecided	16.7	28.8	18.6	7.8	16.2	11.9

[†] See the glossary in Appendix A for a description of income data.

Table III.7 -- Percentage distribution of undergraduates, by father's education and selected student and institutional characteristics: Fall 1986--Continued

	Less than HS diploma	HS dip only	Voc degree	AA degree	BA degree	Advanced degree
Type of institution						
Public 4-yr PhD	9.3	30.4	15.2	9.2	21.1	14.7
Private-np 4-yr PhD	8.2	23.4	12.2	8.8	23.8	23.7
Public 4-yr no PhD	15.6	34.2	17.0	8.4	15.2	9.7
Priv-np 4-yr no PhD	12.3	33.4	13.7	8.8	19.0	12.8
Public 2-yr	22.7	35.5	17.4	7.8	10.4	6.1
Private-np lt 4-yr	23.9	36.1	14.1	6.5	12.3	7.2
Private-fp lt 4-yr	31.1	40.5	12.9	5.1	7.9	2.6
Public lt 2-yr	32.0	38.1	14.5	6.0	6.7	2.7
Institution level						
Less than 2 years	34.0	37.9	12.5	5.4	7.5	2.8
2 to 3 years	22.8	36.0	17.2	7.6	10.4	5.9
4 years no PhD	14.3	34.0	15.7	8.5	16.7	10.9
4 years PhD	9.1	28.9	14.5	9.1	21.7	16.7
Insitutitional control						
Public	17.3	33.7	16.6	8.3	14.7	9.4
Private, non-profit	11.6	29.9	13.1	8.6	20.3	16.5
Private, for-profit	30.3	40.6	13.1	5.1	8.1	2.8

* This table excludes the 7 percent of the students who did not know their father's education level.

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table III.8 -- Percentage distribution of undergraduates, by father's occupation and selected student and institutional characteristics: Fall 1986

	Manager	Profnl	Mktg & sales	Tech support	Services	Crafts*	Mfg†	Agric**	Military	Unk/ not working
Total	17.7	14.6	6.6	6.9	3.8	14.4	4.7	2.7	1.1	27.5
Sex										
Male	18.8	15.7	7.5	7.4	4.1	14.2	4.5	2.6	1.1	24.1
Female	16.8	13.6	5.9	6.5	3.5	14.6	4.9	2.9	1.1	30.2
Race/ethnicity										
Asian	16.5	16.9	7.9	6.0	4.9	8.9	2.7	3.8	1.6	30.9
Black	7.3	6.3	6.8	2.0	5.4	13.6	7.5	2.0	1.7	47.5
Hispanic	13.2	8.6	6.0	4.1	4.5	16.6	7.5	4.8	1.2	33.6
Native American	10.7	6.9	8.0	2.4	4.1	16.1	7.1	2.0	2.5	40.1
White	19.5	16.0	6.6	7.9	3.4	14.7	4.2	2.6	1.0	24.1
Dependency status										
Dependent	21.6	18.1	7.6	8.1	4.2	14.7	4.6	2.5	1.1	17.6
Independent	11.1	8.5	5.0	4.8	3.1	14.0	4.9	3.2	1.1	44.3
Dependent student's family income†										
Lt $11,000	11.7	8.8	4.6	5.9	4.6	14.2	5.0	6.0	1.5	37.9
$11,000-16,999	13.4	7.8	5.7	5.8	6.0	17.3	7.0	3.9	1.1	32.0
$17,000-22,999	15.5	9.5	6.7	7.3	5.5	18.4	6.0	3.7	1.5	26.0
$23,000-29,999	14.4	13.3	9.0	8.8	5.6	19.2	6.7	2.9	1.2	18.9
$30,000-49,999	21.8	19.7	10.4	8.8	3.9	17.4	4.5	1.0	1.1	11.4
$50,000 plus	34.2	29.1	5.9	9.1	2.4	7.2	2.4	1.5	0.8	7.4
Independent student's income†										
No income	7.4	7.4	3.6	4.0	1.6	11.4	4.5	3.3	1.1	55.8
$1-11,000	11.2	9.0	4.9	4.2	3.4	14.5	5.5	3.3	1.2	42.8
$11,000-16,999	11.3	9.1	5.1	4.6	3.5	13.0	5.4	2.5	1.1	44.4
$17,000-22,999	11.6	7.8	6.5	4.8	3.2	15.4	3.8	3.5	0.4	43.0
$23,000-29,999	11.4	7.6	4.7	5.6	2.8	15.5	5.0	3.7	1.2	42.5
$30,000 plus	11.9	8.8	5.1	5.6	3.3	13.5	4.6	3.3	1.1	42.8

Table III.8 -- Percentage distribution of undergraduates, by father's occupation and selected student and institutional characteristics: Fall 1986--Continued

	Manager	Profnl	Mktg & sales	Tech support	Services	Crafts*	Mfg††	Agric**	Military	Unk/ not working
Educational objective										
Certificate/award	10.8	6.7	6.0	4.8	5.1	18.3	6.6	3.9	1.0	36.8
Associate degree	13.3	9.7	6.2	5.4	4.1	17.4	5.6	2.4	1.6	34.5
Bachelor's degree	21.4	18.6	7.1	8.3	3.4	12.9	4.3	2.5	0.9	20.6
Other	15.2	14.9	4.7	5.5	3.9	13.6	3.9	3.8	1.0	33.6
No formal award	15.4	9.6	6.5	6.3	2.9	11.8	4.1	3.7	1.2	38.5
Undecided	17.7	13.4	9.1	6.6	4.7	13.3	3.3	1.8	1.4	28.9
Type of institution										
Public 4-yr PhD	22.3	21.2	7.4	8.6	3.2	12.0	3.8	2.7	1.1	17.8
Private-np 4-yr PhD	24.3	25.9	5.8	8.8	3.0	8.4	2.6	1.5	1.0	18.6
Public 4-yr no PhD	17.5	14.8	7.5	7.4	4.5	15.2	4.5	3.4	1.1	24.1
Priv-np 4-yr no PhD	20.3	17.5	6.2	8.1	3.4	13.2	4.6	2.3	0.7	23.6
Public 2-yr	14.7	9.2	6.3	5.7	3.9	16.0	5.2	2.7	1.3	35.1
Private-np lt 4-yr	12.6	11.6	6.4	5.1	3.6	16.1	8.6	4.0	0.8	31.3
Private-fp lt 4-yr	9.9	5.3	5.7	3.9	4.9	19.9	7.2	2.5	0.8	40.0
Public lt 2-yr	7.4	5.6	5.2	3.5	2.8	18.1	7.0	7.6	1.8	41.2
Institution level										
Less than 2 years	8.4	4.9	4.9	3.4	4.8	18.8	7.4	3.7	1.2	42.5
2 to 3 years	14.5	9.2	6.4	5.6	3.9	16.2	5.3	2.7	1.2	34.9
4 years no PhD	18.6	15.8	7.0	7.6	4.1	14.5	4.7	2.9	0.9	23.9
4 years PhD	22.8	22.2	7.0	8.7	3.2	11.2	3.5	2.4	1.0	18.0
Institutional control										
Public	17.4	13.9	6.8	6.8	3.8	14.7	4.7	2.9	1.2	27.9
Private, non-profit	21.2	20.2	6.1	8.2	3.3	11.7	4.2	2.1	0.8	22.3
Private, for-profit	10.0	5.4	5.8	3.8	5.0	19.9	7.5	2.5	0.8	39.3

†See the glossary in Appendix A for a description of income data.
* Precision production, crafts, and repairs.
†† Operators, fabricating, and laborers.
** Farming, foresting, and fishing.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

CHAPTER IV

ACADEMIC PREPARATION

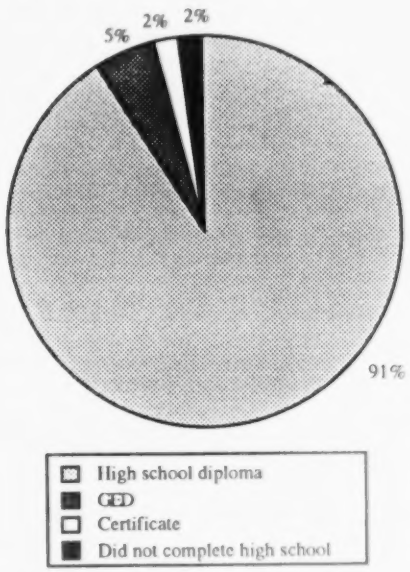
This chapter presents a series of tables from various sources to describe the academic background of students enrolled in postsecondary education.

High School Graduation

The vast majority of the fall of 1986 undergraduates (91 percent) received their high school diplomas before entering a postsecondary institution (Figure IV.1 and Table IV.1). Approximately 5 percent received a GED, 2 percent received a certificate of completion, and the remaining 2 percent did not receive a high school diploma or its equivalent. Not all groups of undergraduates were equally likely to have received a high school diploma. Whites were more likely to have obtained a diploma (93 percent) than Asians (81 percent), blacks (86 percent), Hispanics (81 percent), or Native Americans (74 percent). Undergraduates in the youngest age group (23 years old or younger) were also more likely (95 percent) than students who were in the two older age groups—24 to 29 years old (86 percent) and 30 years old or older (83 percent)—to have completed high school.

Seventy percent of the undergraduates at less-than-2-year institutions received a regular high school diploma. In comparison, larger proportions of students at institutions with higher course-offering levels obtained high school diplomas: 86 percent of those attending 2-year institutions and approximately 96 percent of those attending 4-year institutions received high school diplomas.

Figure IV.1--Percentage distribution of undergraduates, by high school education: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table IV.1 -- Percentage distribution of undergraduates, by high school education and selected student and institutional characteristics: Fall 1986

	HS diploma	GED	Certificate of completion	Did not complete
Total	90.8	4.8	2.1	2.4
Sex				
Male	91.2	4.4	2.2	2.3
Female	90.4	5.0	2.0	2.6
Race/ethnicity				
Asian	81.3	4.4	8.7	5.6
Black	85.5	8.3	2.4	3.8
Hispanic	80.8	8.7	3.5	6.9
Native American	74.3	15.2	7.6	2.9
White	93.1	3.9	1.4	1.7
Age				
23 years or younger	95.0	1.8	1.9	1.3
24 to 29 years	85.6	8.7	2.3	3.4
30 years or older	83.3	9.7	2.4	4.6
Family income status†				
Lt $11,000	81.9	10.8	2.9	4.4
$11,000-16,999	88.9	6.5	2.3	2.3
$17,000-22,999	91.6	4.7	1.7	2.1
$23,000-29,999	93.9	2.9	1.8	1.5
$30,000-49,999	95.6	2.2	1.1	1.1
$50,000 plus	96.4	1.5	1.2	0.9
Dependency status				
Dependent	94.7	2.0	1.9	1.5
Independent	84.1	9.5	2.4	4.1
Dependent student's family income†				
$1-11,000	89.6	3.3	3.2	4.0
$11,000-16,999	93.9	2.1	2.6	1.4
$17,000-22,999	92.9	3.6	1.9	1.6
$23,000-29,999	94.2	2.3	1.8	1.8
$30,000-49,999	96.3	1.3	1.7	0.7
$50,000 plus	96.2	1.5	1.3	1.0
Independent student's income†				
No income	78.6	12.4	3.0	6.0
$1-11,000	79.5	12.9	2.4	5.2
$11,000-16,999	82.8	11.0	2.3	3.9
$17,000-22,999	86.1	7.4	2.2	4.4
$23,000-29,999	87.5	7.6	2.1	2.8
$30,000 plus	89.7	5.2	2.4	2.6

Table IV.1 -- Percentage distribution of undergraduates, by high school education and selected student and institutional characteristics: Fall 1986--Continued

	HS diploma	GED	Certificate of completion	Did not complete
Mother's education				
Less than HS	82.7	9.8	3.3	4.2
High school only	92.5	3.7	2.0	1.8
Voc tech/lt 2 yrs pse	91.4	4.6	2.1	1.9
AA/gt 2 yrs pse	95.0	2.3	1.2	1.5
BA or BS	96.1	2.0	1.3	0.7
Advanced degree	97.3	1.3	0.7	0.7
Father's education				
Less than HS	82.5	10.1	3.3	4.1
High school only	93.2	3.7	1.6	1.6
Voc tech/lt 2 yrs pse	91.9	4.0	2.2	1.9
AA/gt 2 yrs pse	95.1	2.9	1.3	0.7
BA or BS	95.3	2.3	1.6	0.8
Advanced degree	95.8	1.4	1.5	1.3
Attendance status				
Full-time	92.2	3.9	2.0	1.9
Part-time	88.3	6.1	2.2	3.4
Educational objective				
Certificate/award	78.2	11.2	3.3	7.4
Associate degree	87.6	8.2	2.1	2.2
Bachelor's degree	95.5	2.0	1.5	1.0
Other	88.6	4.9	3.0	3.5
No formal award	88.0	4.8	3.2	4.2
Undecided	84.9	7.9	3.1	4.1
Type of institution				
Public 4-yr PhD	96.4	1.5	1.4	0.8
Private 4-yr PhD	96.2	1.2	1.3	1.3
Public 4-yr no PhD	94.4	2.3	2.2	1.1
Priv-np 4-yr no PhD	96.1	1.8	1.1	1.0
Public 2-yr	86.5	7.7	2.4	3.4
Private-np lt 4-yr	85.5	7.6	4.7	2.2
Private-fp less than 4-yr	74.4	12.7	3.5	9.4
Public less than 2-yr	74.6	12.7	4.8	7.8
Institution level				
Less than 2 years	70.2	14.0	4.2	11.7
2 to 3 years	86.4	7.8	2.5	3.4
4 years no PhD	95.0	2.1	1.8	1.1
4 years PhD	96.3	1.4	1.3	0.9
Institutional control				
Public	90.8	4.9	2.1	2.2
Private, non-profit	95.3	2.0	1.5	1.2
Private, for-profit	74.4	12.7	3.5	9.4

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1987 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

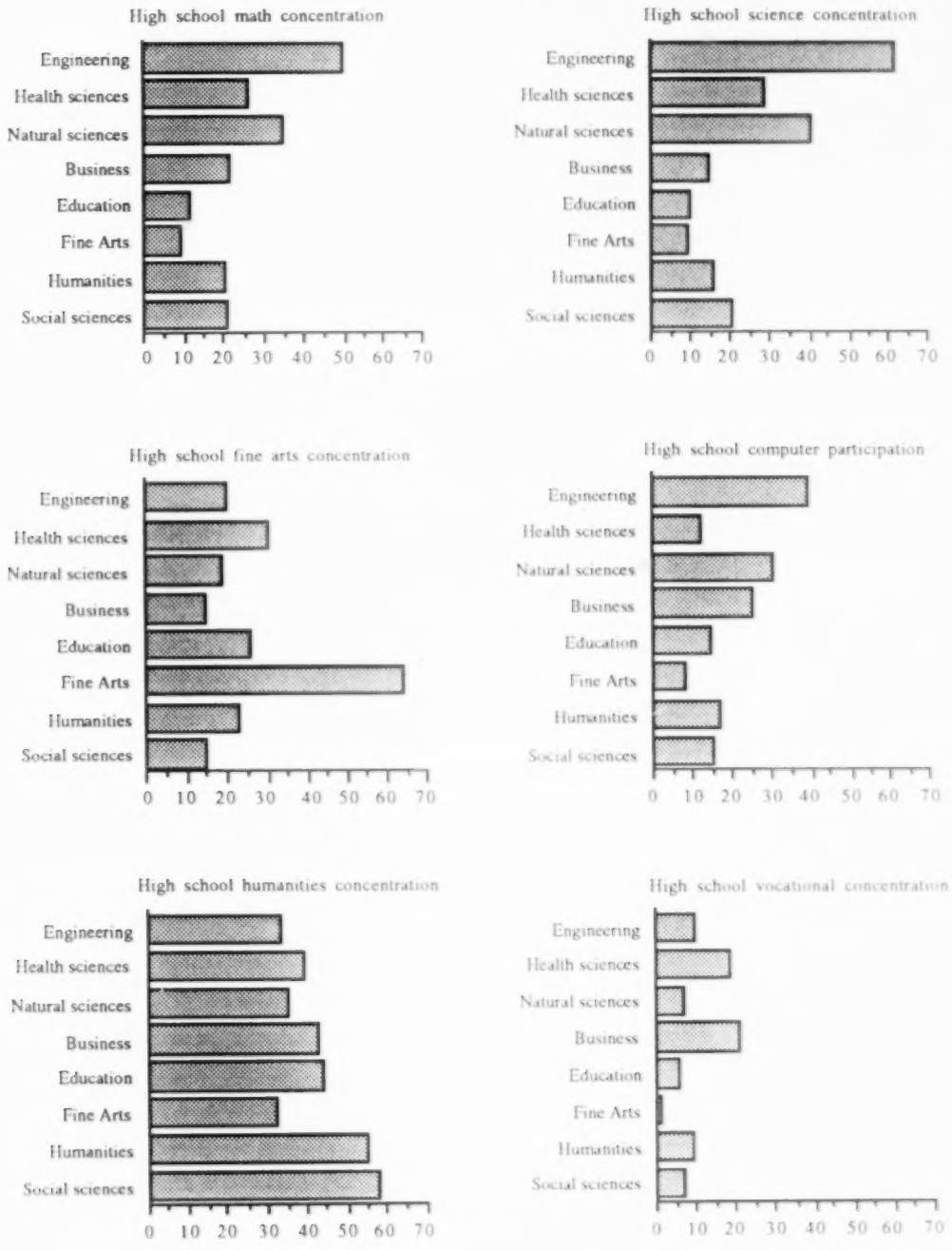
High School Concentrations

Data on the High School and Beyond 1980 sophomore cohort suggest that students' postsecondary concentration was to some extent consistent with their high school concentrations (Tables IV.2a and b and Figure IV.2). For example, 48 percent of the students with postsecondary technical vocational concentrations had secondary vocational concentrations.[1] Students with postsecondary academic concentrations were much less likely to have had secondary vocational concentrations: no category had more than 21 percent of its students as high school vocational concentrators, and most had much smaller percentages.

Among the students with postsecondary academic concentrations, there were also similarities between students' secondary and postsecondary coursework focus. For example, among the 1980 sophomores who had natural science postsecondary concentrations, 41 percent had science concentrations in high school. Students with other postsecondary concentrations were less likely to have had science concentrations in high school. For example, only 15 percent of all students with postsecondary concentrations in business, 10 percent of all students with postsecondary concentrations in education, 9 percent of all students in fine arts, 16 percent of all students in the humanities, and 20 percent of all students in the social sciences had high school concentrations in science.

[1]Students were considered vocational concentrators if they completed four or more credits of vocational education in a single occupational area (for example, business, agriculture, etc.).

Figure IV.2--Percentages of postsecondary students with specific high school course concentrations: 1980 high school sophomores



SOURCE: National Center for Education Statistics, Office of Educational Research and Improvement, U.S. Department of Education, *HS Course-taking Patterns of Postsecondary Academic Students* and *HS Course-taking Patterns of Postsecondary Vocational Students*, tabulations prepared using the HS&B 1980 sophomore secondary and postsecondary transcript files.

Table IV.2a -- Percentage distribution of undergraduates, by high school subject concentrations for 1980 sophomores, by postsecondary course-taking patterns

Postsecondary Course-taking Pattern	HS Math				HS Science				HS Fine Arts		
	4-year	General Limited			4-year General Limited				General Limited		
	Concen-trator	college bound	partic-ipant	partic-ipant	Concen-trator	college bound	partic-ipant	partic-ipant	Concen-trator	partic-ipant	partic-ipant
All 4-year	24.5	56.3	18.3	0.9	24.5	44.3	27.2	4.0	21.0	33.9	45.1
All less-than-4-year	6.2	41.4	47.4	5.1	7.6	29.3	50.8	12.3	19.0	34.7	46.3
All 4-year postsecondary											
Engineering	49.6	44.4	6.0	0.0	61.6	31.8	3.2	3.4	20.0	23.4	56.6
Health sciences	25.5	69.8	4.5	0.2	28.4	59.1	12.3	0.2	30.6	34.5	34.9
Natural sciences	34.0	55.5	10.1	0.4	40.5	42.6	15.2	1.7	19.0	32.4	48.5
Business	21.6	62.4	15.7	0.2	14.6	50.5	32.5	2.4	14.4	31.6	54.0
Education	11.2	74.3	14.5	0.0	10.1	54.6	30.3	5.0	25.4	36.5	38.0
Fine arts	9.0	60.6	25.4	5.0	9.3	46.7	35.5	8.4	64.3	24.3	11.4
Humanities	20.3	51.5	26.9	1.2	15.7	42.8	34.2	7.3	22.9	36.7	40.4
Social sciences	20.9	57.3	21.0	0.9	20.4	45.3	28.7	5.6	14.6	40.6	44.7
All occupational less-than-4-year postsecondary											
Nontechnical occupational	1.2	27.2	64.1	7.6	2.4	24.1	52.8	20.7	23.3	36.3	40.4
Technical occupational	0.6	22.4	62.5	14.6	1.4	13.3	73.4	11.9	12.4	33.0	54.6

Table IV.2b -- Percentage distribution of undergraduates, by high school subject concentrations for 1980 sophomores, by postsecondary course-taking patterns

Postsecondary Course-taking Pattern	HS Computer		HS Humanities			HS Vocational			
	Partic-ipant	Non partic-ipant	Concen-trator	Moderate partic-ipant	Limited partic-ipant	Concen-trator	Limited concen-trator	Sampler	Non partic-ipant
All 4-year	21.4	78.6	44.2	29.9	25.9	10.6	14.2	66.2	8.9
All less-than-4-year	12.5	87.5	28.3	30.4	41.3	25.6	27.5	43.9	2.9
All 4-year postsecondary									
Engineering	39.0	61.0	33.4	36.5	30.1	10.0	15.7	66.6	7.6
Health sciences	12.4	87.6	39.7	32.7	27.6	18.8	7.9	67.5	5.9
Natural sciences	30.5	69.5	34.9	34.8	30.4	7.1	15.3	68.7	8.9
Business	25.2	74.8	42.7	26.2	31.1	20.8	17.1	55.1	6.9
Education	14.4	85.6	44.5	33.1	22.3	6.0	18.9	74.5	0.6
Fine arts	8.1	91.9	32.7	41.1	26.3	0.5	7.9	82.3	9.3
Humanities	17.0	83.0	55.3	24.3	20.4	9.0	11.8	67.1	12.0
Social sciences	15.1	84.9	57.8	23.9	18.4	6.7	13.0	69.2	11.1
All occupational less-than-4-year-postsecondary									
Nontechnical occupational	3.9	96.1	22.4	26.4	51.2	22.8	35.6	38.9	2.7
Technical occupational	8.5	91.5	14.4	28.3	57.2	47.8	27.9	20.6	3.7

†See the glossary in Appendix A for a description of the types of concentration.

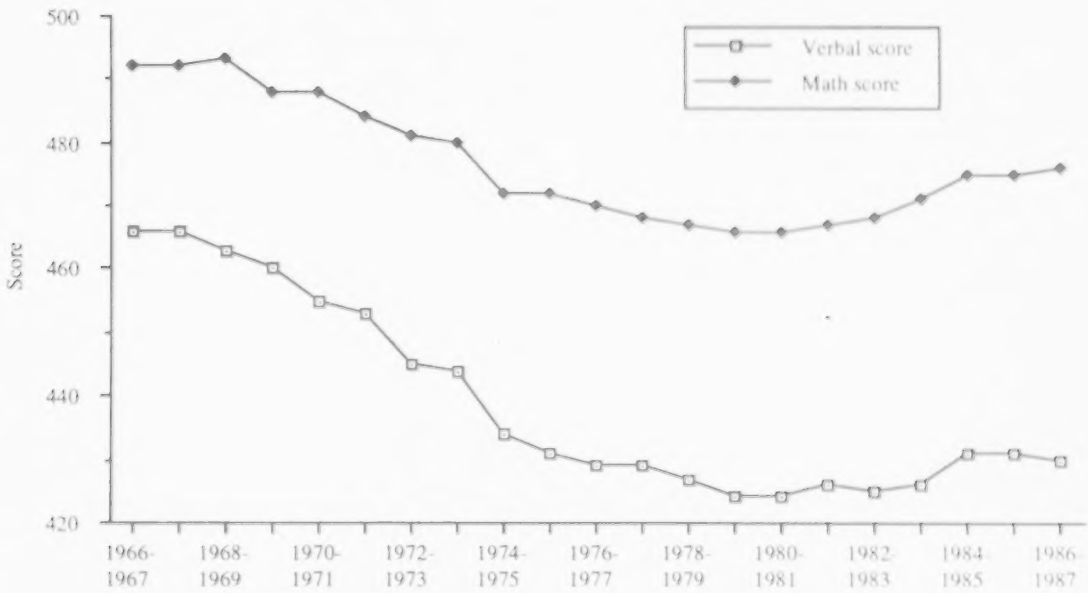
SOURCE: National Center for Education Statistics, Office of Educational Research and Improvement, U.S. Department of Education, *HS Course-taking Patterns of Postsecondary Academic Students* and *HS Course-taking Patterns of Postsecondary Vocational Students*, tabulations prepared using the HS&B 1980 sophomore secondary and postsecondary transcript files.

SAT and ACT Scores

SAT and ACT scores are among the most widely reported measures of academic preparation. Overall, Scholastic Aptitude Test (SAT) scores for college-bound seniors declined somewhat between 1966-67 and 1986-87. Through the late 1960s and 1970s verbal and math SAT scores steadily declined. Since 1980-81, however, average test scores for college-bound seniors have increased slightly. For example, average verbal SAT scores steadily declined from 466 in 1966-67 to 424 in 1979-80, but they increased to 430 in 1986-87 (Figure IV.3 and Table IV.3). Mathematics test scores followed similar patterns.

ACT scores for English have followed a similar pattern (Table IV.4). They declined in the early 1970s, but have shown an overall increase since then. ACT mathematics scores, on the other hand, declined along with the English scores but have continued to decline.

Figure IV.3--Average SAT scores for college-bound seniors: 1966-67 to 1986-87



SOURCE: College Entrance Examination Board, *National Report on College-Bound Seniors*, 1987. (Copyright 1987 by the College Entrance Board. All rights reserved.)

Table IV.3 -- Scholastic Aptitude Test score averages for college-bound high school seniors, by sex: 1966-67 to 1986-87

	Verbal score			Math score		
	Total	Male	Female	Total	Male	Female
1966-67	466	463	468	492	514	467
1967-68	466	464	466	492	512	470
1968-69	463	459	466	493	513	470
1969-70	460	459	461	488	509	465
1970-71	455	454	457	488	507	466
1971-72	453	454	452	484	505	461
1972-73	445	446	443	481	502	460
1973-74	444	447	442	480	501	459
1974-75	434	437	431	472	495	449
1975-76	431	433	430	472	497	446
1976-77	429	431	427	470	497	445
1977-78	429	433	425	468	494	444
1978-79	427	431	423	467	493	443
1979-80	424	428	420	466	491	443
1980-81	424	430	418	466	492	443
1981-82	426	431	421	467	493	443
1982-83	425	430	420	468	493	445
1983-84	426	433	420	471	495	449
1984-85	431	437	425	475	499	452
1985-86	431	437	426	475	501	451
1986-87	430	435	425	476	500	453

SOURCE: College Entrance Examination Board, *National Report on College-Bound Seniors, 1987.* (Copyright 1987 by the College Entrance Board . All rights reserved.)

Table IV.4 -- Average ACT assessment scores for college-bound seniors: 1969-70 to 1986-87

	English score			Math score		
	Total	Male	Female	Total	Male	Female
1969-70	18.5	17.6	19.4	20.0	21.1	18.8
1972-73	18.5	17.3	18.9	19.1	20.2	18.0
1973-74	17.9	17.1	18.6	18.3	19.7	17.1
1974-75	17.7	17.1	18.3	17.6	19.3	16.2
1975-76	17.5	16.8	18.0	17.5	19.2	16.0
1976-77	17.7	17.0	18.2	17.4	18.9	16.1
1977-78	17.9	17.4	18.3	17.5	19.1	16.2
1978-79	17.9	17.4	18.4	17.5	19.1	16.2
1979-80	17.9	17.3	18.3	17.4	18.9	16.2
1980-81	17.8	17.3	18.2	17.3	18.9	16.0
1981-82	17.9	17.3	18.4	17.2	18.6	16.0
1982-83	17.8	17.3	18.2	16.9	18.4	15.7
1983-84	18.1	17.5	18.6	17.3	18.6	16.1
1984-85	18.1	17.6	18.6	17.2	18.6	16.0
1985-86	18.5	17.9	18.9	17.3	18.8	16.0
1986-87	18.4	17.9	18.9	17.2	18.6	16.1

SOURCE: ACT, *National Trend Data for Students who Take the ACT Assessment.*

CHAPTER V

ENROLLMENT CHARACTERISTICS

This chapter presents information on the types of institutions fall 1986 undergraduates attended, their attendance status (full- or part-time), their housing arrangements, their fields of study, and their participation in remedial education.

Types of Institutions Attended

Students in this country who want to further their education beyond high school have a wide range of options. They can choose from short-term vocational training programs, 2-year institutions that provide vocational training or the first two years of college coursework for students who later wish to transfer to 4-year institutions, and 4-year institutions that offer a bachelor's degree. They can also choose between public and private institutions, and within the private sector between for-profit and nonprofit institutions.

In the fall of 1986, 77 percent of all students enrolled in postsecondary institutions attended public institutions (Table V.1 and Figure V.1). Eighteen percent attended private, nonprofit institutions, and 5 percent attended private, for-profit institutions. In the public sector approximately equal proportions of students were enrolled in 4-year and less-than-4-year institutions. In contrast, almost all students who attended private, nonprofit institutions were enrolled in 4-year institutions, and virtually all students who attended private, for-profit institutions were enrolled in less-than-4-year institutions.

The choice of institution type varied with students' race/ethnicity, age, income, and parents' education. Asians, blacks, and especially Hispanics were less likely than whites or Native Americans to attend private, nonprofit institutions. Nineteen percent of whites and Native Americans attended private, nonprofit institutions, compared to 15 percent of Asians, 15 percent of blacks, and 11 percent of Hispanics. Larger proportions of Asians and whites than of either blacks, Hispanics, or Native Americans attended public, 4-year institutions: 39 percent of Asians and whites compared to 34 percent of blacks, 27 percent of Hispanics, and 27 percent of Native Americans. All minority groups except blacks were more likely than whites to attend public, 2-year institutions. Much greater proportions of blacks and Hispanics than of whites, Asians, or Native Americans attended private, for-profit institutions.

Students 23 years old or younger were much more likely than those 24 years old or older to attend private, nonprofit institutions: 22 percent of the students 23 years old or younger attended private, nonprofit institutions, compared to only 12 percent of students between 24 and 29 years old or 30 years old or older. On the other hand, older students were more likely than younger ones to attend public, 2-year institutions. In the 30 years old or older age group, 56 percent attended public, 2-year institutions, compared to 27 percent of the 23 years old or younger group.

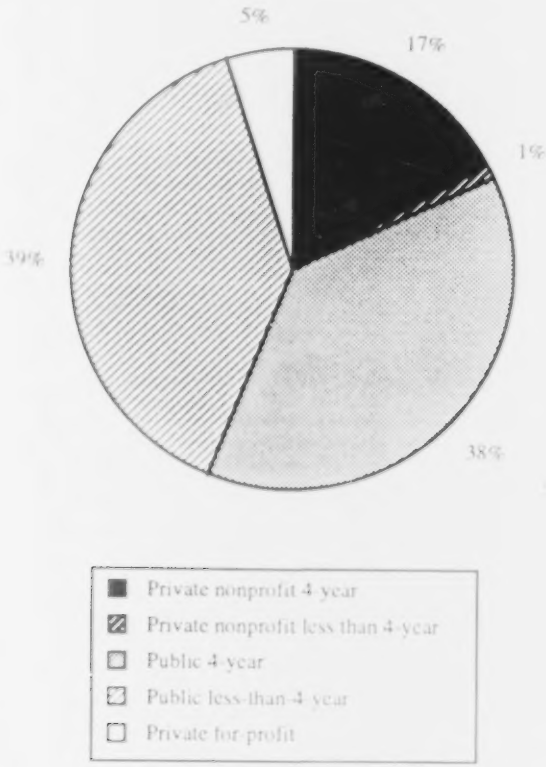
Family income was related to the type of institution attended. More than one-half of the students from the lowest income families attended less-than-4-year institutions: 43 percent attended 2-year public institutions, 2 percent attended public less-than-2-year institutions, and 9 percent attended private, for-profit institutions. In contrast, only 26 percent of students from families with annual incomes of $50,000 or more attended public, 2-year institutions, less than 1 percent attended public, less-than-2-year institutions, and only 2 percent attended private, for-profit institutions. The lowest income students were much less likely than the highest income students to attend private, nonprofit 4-year institutions (14 percent compared to 26 percent).

Students who were financially dependent on their parents were more likely than those who were independent to attend private, nonprofit institutions (22 percent compared to 12 percent). Independent students, on the other hand, were more likely than dependent ones to attend private, for-profit institutions (8 percent compared to 4 percent). Within the public sector, dependent students were more likely than independent ones to attend 4-year institutions, and independent students were more likely than dependent ones to attend 2-year and less-than-2-year institutions.

The types of institutions students attended were also related to their parents' education. Students whose mothers or fathers had advanced degrees were much more likely than those with less well-educated parents to attend private, nonprofit, 4-year institutions or public, 4-year, Ph.D.-granting institutions. They were also much less likely to have attended public, 2-year; public, less-than-2-year; or private, for-profit institutions.

Enrollment patterns varied by region as well as by student and family characteristics. One-third of the students in the Northeast attended private, nonprofit institutions—a much higher proportion than found in the rest of the country. In the Midwest, 17 percent attended private, nonprofit institutions; in the South, 13 percent; and in the West, only 8 percent. Students in the West were the most likely to attend public, 2-year institutions. The percentage of students who enrolled in public, 2-year institutions was 51 percent in the West, compared to 25 percent in the Northeast, 34 percent in the Midwest, and 43 percent in the South.

Figure V.1--Percentage distribution of undergraduate enrollment, by type of institution: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table V.1 -- Percentage distribution of undergraduate enrollment, by type of institution and selected student characteristics: Fall 1986

	Private, non-profit				Public					Private, for-profit	
	All	4-year PhD	4-year no PhD	Lt 4-year	All	4-year PhD	4-year no PhD	2-year	Lt 2-year	All	Lt 4-year
Total	18.1	6.8	10.0	1.3	76.5	22.9	15.1	37.4	1.2	5.4	5.2
Sex											
Male	18.3	7.6	9.6	1.1	77.5	24.8	15.3	36.3	1.1	4.2	3.8
Female	18.0	6.1	10.4	1.5	75.7	21.4	14.8	38.3	1.2	6.4	6.3
Race/ethnicity											
Asian	15.4	9.7	5.0	0.7	81.0	24.7	14.7	40.7	0.9	3.6	3.3
Black	15.4	5.7	8.3	1.3	72.7	17.0	17.1	36.8	1.8	11.9	11.6
Hispanic	11.1	5.2	5.2	0.6	77.9	13.8	13.7	49.2	1.3	11.1	10.7
Native American	19.3	2.6	5.1	11.6	74.3	14.5	12.5	46.6	0.8	6.4	6.2
White	19.2	6.9	11.0	1.3	76.6	24.4	15.0	36.1	1.1	4.2	4.0
Age											
23 years or younger	22.0	8.7	11.8	1.5	73.2	28.6	16.5	27.4	0.8	4.8	4.5
24 to 29 years	12.3	4.3	6.8	1.2	81.0	17.6	14.4	47.5	1.5	6.7	6.6
30 years or older	12.1	3.3	7.6	1.2	82.0	11.9	11.8	56.3	2.0	6.0	5.8
Family income status†											
Lt $11,000	13.7	3.7	8.1	1.9	76.9	17.1	14.5	43.1	2.2	9.4	9.2
$11,000-16,999	15.5	4.9	9.0	1.5	77.0	19.8	16.3	39.1	1.7	7.5	7.3
$17,000-22,999	15.6	5.0	9.0	1.6	78.7	20.7	17.1	39.9	0.9	5.8	5.5
$23,000-29,000	16.8	5.6	10.0	1.1	78.5	24.7	16.4	36.7	0.8	4.7	4.4
$30,000-49,999	19.2	6.8	11.2	1.1	77.7	27.5	16.5	33.0	0.7	3.1	3.0
$50,000 plus	26.4	13.0	12.4	1.0	71.7	31.4	14.5	25.5	0.3	2.0	1.7
Dependency status											
Dependent	21.6	8.7	11.5	1.4	74.5	27.5	16.7	29.5	0.8	4.0	3.7
Independent	12.2	3.5	7.5	1.2	80.0	15.1	12.3	50.7	1.8	7.8	7.6
Dependent student's family income†											
Lt $11,000	17.1	5.6	9.6	1.9	74.4	19.1	16.8	36.6	1.9	8.6	8.4
$11,000-16,999	17.8	6.3	9.3	2.2	74.6	22.2	17.9	32.8	1.7	7.6	7.3
$17,000-22,999	17.1	6.0	9.2	1.9	78.3	23.4	16.4	37.5	1.0	4.6	4.2
$23,000-29,999	19.8	7.1	11.4	1.4	75.6	26.4	16.5	32.1	0.6	4.6	4.3
$30,000-49,999	19.9	7.5	11.1	1.4	77.2	28.9	17.2	30.5	0.6	2.9	2.7
$50,000 plus	29.5	14.1	14.6	0.9	69.1	33.5	15.6	19.7	0.2	1.4	1.3
Independent student's income†											
No income	10.4	3.4	6.2	0.9	83.5	14.0	11.6	55.1	2.8	6.0	5.8
$1-11,000	12.2	3.1	7.5	1.6	74.2	19.9	13.5	38.5	2.2	13.7	13.4
$11,000-16,999	10.9	2.9	6.6	1.4	79.3	14.3	11.6	51.4	2.0	9.7	9.6
$17,000-22,999	11.8	3.4	7.5	0.9	81.2	12.7	10.9	55.8	1.9	7.0	6.9
$23,000-29,999	12.6	3.5	7.5	1.5	82.6	12.3	10.9	58.4	1.0	4.8	4.6
$30,000 plus	13.6	4.5	8.4	0.8	83.9	12.9	12.8	57.1	1.1	2.4	2.2

Table V.1 -- Percentage distribution of undergraduate enrollment, by type of institution and selected student characteristics: Fall 1986--Continued

	Private, non-profit				Public					Private, for-profit	
	All	4-year PhD	4-year no PhD	Lt 4-year	All	4-year PhD	4-year no PhD	2-year	Lt 2-year	All	Lt 4-year
Mother's education											
Less than HS	13.2	3.6	7.7	1.9	77.9	14.3	14.1	47.4	2.1	8.9	8.6
High school only	16.5	5.2	9.9	1.4	77.9	21.8	15.9	39.1	1.1	5.6	5.3
Voc tech/lt 2 yrs pse	16.6	5.9	9.6	1.1	79.4	24.2	15.8	38.5	0.9	4.0	3.8
AA/gt 2 yrs pse	18.5	7.1	10.4	1.0	78.2	24.7	16.1	36.7	0.7	3.4	3.3
BA or BS	23.6	10.3	12.3	0.9	74.1	32.1	15.7	25.8	0.4	2.4	2.2
Advanced degree	30.4	15.6	13.7	1.2	68.0	33.2	13.8	20.6	0.4	1.6	1.5
Father's education											
Less than HS	12.8	3.4	7.5	1.9	78.4	13.1	14.1	49.2	2.0	8.9	8.7
High school only	16.6	4.9	10.3	1.5	77.4	21.7	15.7	38.9	1.2	6.0	5.7
Voc tech/lt 2 yrs pse	15.4	5.3	8.8	1.2	80.5	22.9	16.4	40.3	0.9	4.1	3.8
AA/gt 2 yrs pse	19.4	7.4	10.9	1.1	77.6	26.7	15.6	34.6	0.8	3.1	2.9
BA or BS	24.4	10.7	12.6	1.1	73.0	32.7	15.1	24.8	0.5	2.6	2.4
Advanced degree	29.3	15.8	12.6	0.9	69.4	33.7	14.2	21.2	0.3	1.3	1.2
Attendance status											
Full-time	22.9	8.9	12.5	1.5	69.8	29.2	17.5	21.8	1.3	7.3	7.0
Part-time	10.2	3.2	5.9	1.1	87.6	12.6	11.0	63.1	0.9	2.3	2.2
Educational objective											
Certificate/award	7.8	1.3	2.4	4.2	58.9	3.6	3.3	43.7	8.3	33.3	33.0
Associate degree	6.4	0.7	3.1	2.6	87.2	2.2	3.6	80.8	0.6	6.4	6.3
Bachelor's degree	27.0	10.9	15.7	0.4	72.5	36.8	22.9	12.8	0.0	0.5	0.3
Other	15.4	7.4	7.0	1.0	78.5	26.3	15.3	35.0	1.9	6.1	6.0
No formal award	6.0	1.9	3.1	0.9	91.6	6.7	6.0	77.3	1.5	2.5	2.2
Undecided	10.4	3.4	5.5	1.5	88.5	17.4	14.2	56.5	0.4	1.1	1.1
Employment status											
Working full-time	12.8	4.0	7.9	0.9	83.2	11.3	10.7	60.1	1.1	4.1	3.9
Working part-time	18.1	7.1	9.7	1.3	77.2	25.0	16.2	35.2	0.8	4.8	4.5
Not employed	20.7	7.8	11.4	1.6	72.5	26.9	16.4	27.6	1.6	6.8	6.6
Geographic region											
Northeast	32.7	14.4	16.5	1.8	61.2	11.6	24.2	25.1	0.2	6.1	5.9
Midwest	17.5	4.6	11.7	1.2	78.0	32.6	11.0	33.8	0.7	4.5	3.7
South	13.1	4.2	8.0	1.0	81.6	27.1	9.9	42.9	1.8	5.2	5.2
West	7.9	4.1	2.7	1.2	86.1	19.2	14.9	50.9	1.0	6.0	5.9

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File. CS 89-312m.

Attendance Status

Despite the increasing popularity of part-time enrollment, the majority of postsecondary students were enrolled full-time (according to their institutions' definition). Overall, 62 percent of the students who attended postsecondary institutions in the fall of 1986 were enrolled full-time, and 38 percent part-time (Table V.2). In all types of institutions except public, 2-year, more than 70 percent of the students were enrolled full-time, and in some types of private institutions more than 80 percent were enrolled full-time (Figure V.3). In public, 2-year institutions part-time students were a majority: 64 percent of their students were enrolled part-time.

Males were more likely than females to be enrolled full-time: 64 percent compared to 61 percent (Figure V.2). Approximately 63 percent of Asians, blacks, and whites were enrolled full-time. Hispanics and Native Americans were less likely to be enrolled full-time (58 and 49 percent, respectively).

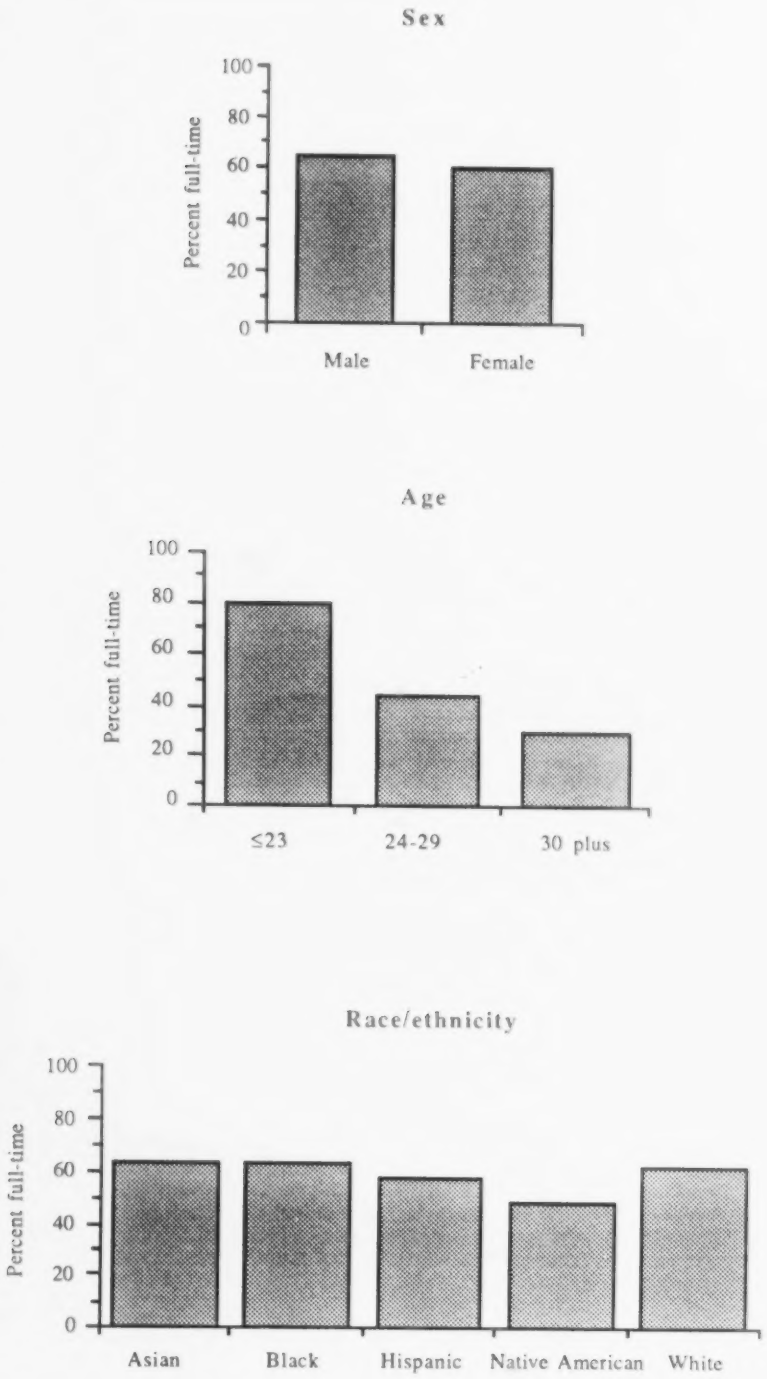
Younger students were more likely than older students to be enrolled full-time. Among the students 23 years old or younger, 79 percent were enrolled full-time, while only 44 percent of those between 24 to 29 years old, and 31 percent of those 30 years old or older were enrolled full-time (Figure V.2). The percentages varied by type of institution, however (Appendix C: Tables C.V.1 and C.V.2).[1] At private, nonprofit, 4-year institutions, more than 90 percent of the youngest group were enrolled full-time. On the other hand, at public, 2-year institutions, only 53 percent of the youngest group were enrolled full-time.

Attendance status was related to educational objective. Students seeking a bachelor's degree were the most likely to attend full-time (76 percent). Only 49 percent of the students seeking an associate degree and 17 percent of those seeking no formal award attended full-time (Figure V.3).

Employment status also reflected the likelihood of being enrolled full-time. Among the students who worked full-time, only 20 percent were full-time students; among those who worked part-time, 70 percent were full-time students; and among those who were unemployed, 78 percent were full-time students.

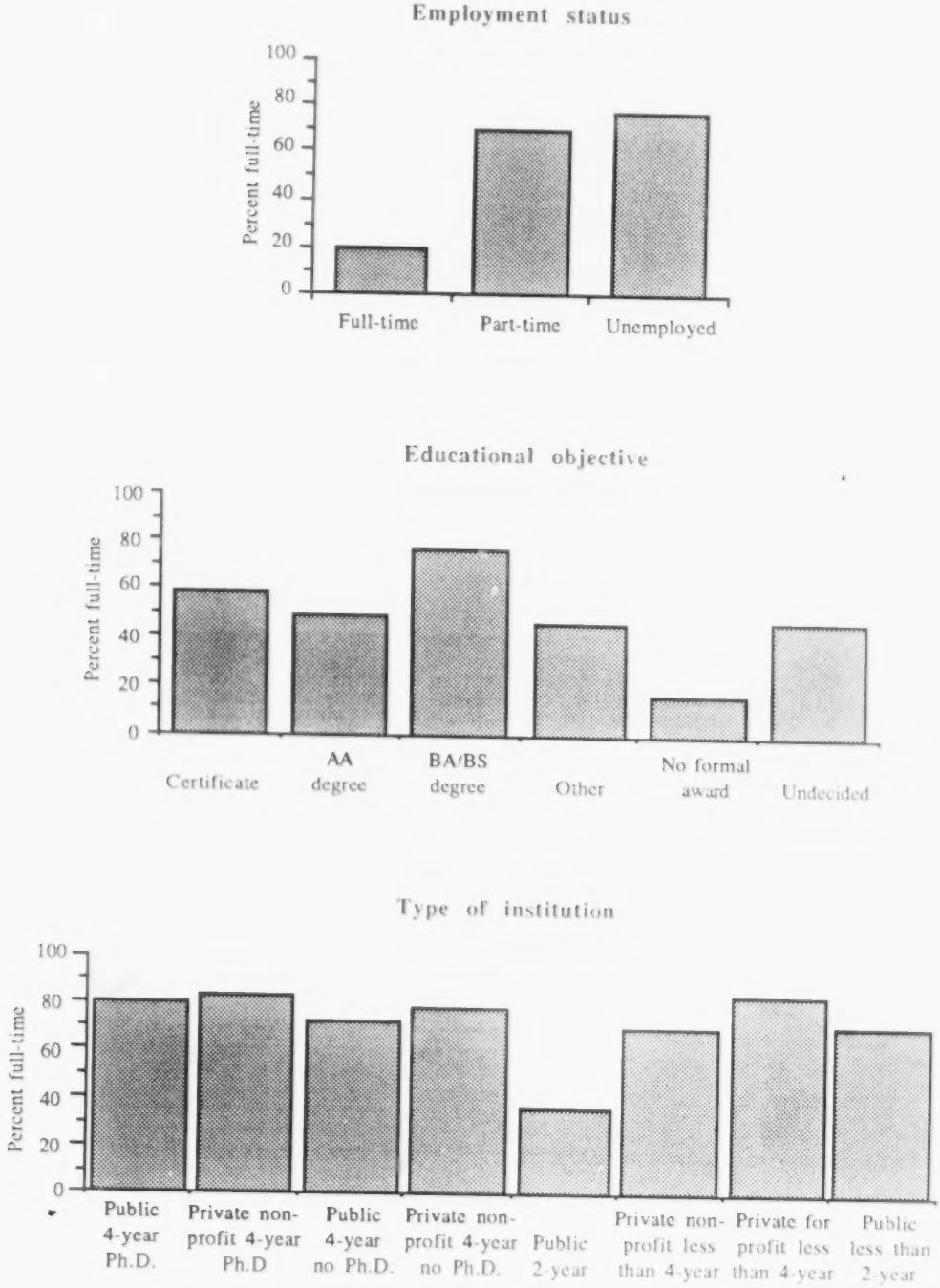
[1]Tables C.V.1 and C.V.2 in Appendix C present the same information as Table V.2, but for each institutional type separately.

Figure V.2--Percentage of students who were full-time, by sex, age, and race/ethnicity: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Figure V.3--Percentage of undergraduates who were full-time, by employment status, educational objective, and institution type: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table V.2 -- Percentage distribution of undergraduates, by attendance status and selected student and institutional characteristics: Fall 1986

	Full-time	Part-time
Total	62.2	37.8
Sex		
Male	64.1	35.9
Female	60.7	39.3
Race/ethnicity		
Asian	63.5	36.5
Black	63.0	37.0
Hispanic	58.1	41.9
Native American	48.7	51.3
White	62.6	37.4
Age		
23 years or younger	79.2	20.8
24 to 29 years	43.8	56.2
30 years or older	30.8	69.2
Family income status†		
Lt $11,000	62.2	37.8
$11,000-16,999	63.8	36.2
$17,000-22,999	60.1	39.9
$23,000-29,999	66.1	33.9
$30,000-49,999	66.4	33.6
$50,000 plus	71.9	28.1
Dependency status		
Dependent	75.1	25.0
Independent	40.4	59.6
Dependent student's family income†		
Lt $11,000	71.8	28.2
$11,000-16,999	75.8	24.2
$17,000-22,999	71.4	28.6
$23,000-29,999	73.2	26.8
$30,000-49,999	74.2	25.8
$50,000 plus	79.7	20.3
Independent student's income†		
No income	40.9	59.1
$1-11,000	66.1	33.9
$11,000-16,999	42.9	57.2
$17,000-22,999	29.3	70.7
$23,000-29,999	25.3	74.7
$30,000 plus	20.6	79.4

Table V.2 -- Percentage distribution of undergraduates, by attendance status and selected student and institutional characteristics: Fall 1986--Continued

	Full-time	Part-time
Educational objective		
Certificate/award	58.1	41.9
Associate degree	49.4	50.6
Bachelor's degree	76.3	23.7
Other	46.0	54.0
No formal award	17.1	82.9
Undecided	46.8	53.2
Employment status		
Working full-time	19.8	80.3
Working part-time	69.9	30.1
Not employed	77.5	22.5
Type of institution		
Public 4-yr PhD	79.3	20.7
Private-np 4-yr PhD	82.3	17.7
Public 4-yr no PhD	72.4	27.7
Priv-np 4-yr no PhD	77.6	22.4
Public 2 year	36.2	63.8
Private-np lt 4-yr	70.2	29.8
Private-fp lt 4-yr	83.9	16.1
Public lt 2-yr	71.0	29.0
Institution level		
Less than 2 years	79.5	20.5
2 to 3 years	39.4	60.6
4-years no PhD	74.5	25.5
4-years PhD	80.0	20.0
Institutional control		
Public	56.8	43.2
Private, non-profit	78.8	21.2
Private, for-profit	83.9	16.1

†See the glossary in Appendix A for a description of income data.

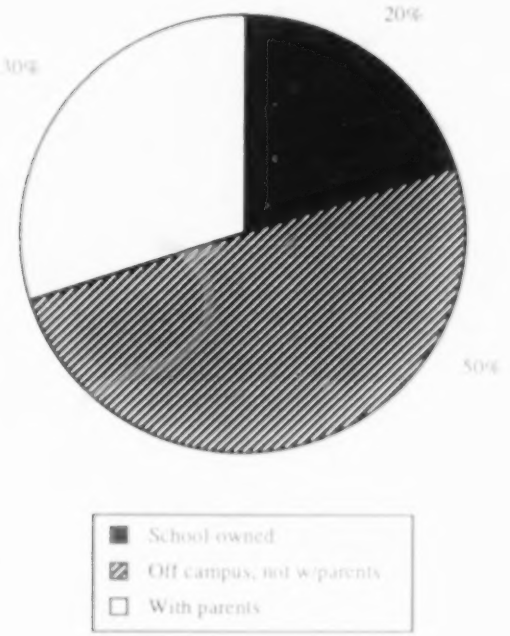
SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Housing Arrangements

Fifty percent of all undergraduates lived off-campus, not with parents (Table V.3 and Figure V.4). Another 30 percent lived with their parents, and the remaining 20 percent lived in school-owned housing. Younger students were far more likely than older ones to live in school-owned housing. Thirty-one percent of the students who were 23 years old or younger lived in school-owned housing, compared to only 4 percent of those between 24 to 29 years old and 1 percent of those 30 years old or older. Students in the youngest group were also more likely than the older students to live with their parents: 41 percent lived with their parents, compared to only 23 percent of the students between 24 to 29 years old and 6 percent of the students 30 years old or older.

Housing arrangements varied with the control and type of institution. Almost one-half (46 percent) of the students in private, nonprofit, institutions lived in school-owned housing, compared to 15 percent of the students in public institutions and only 2 percent of the students in private, for-profit institutions. Approximately one-third of the students in 4-year institutions lived in school-owned housing. Most less-than-4-year institutions do not provide housing. Only 3 percent of the students in 2-year institutions and 1 percent in less-than-2-year institutions lived in school-owned housing.[2]

Figure V.4--Percentage distribution of undergraduates, by housing arrangements: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

[2](Tables C.V.3 and C.V.4 in Appendix C present the same information as Table V.3, but for each institutional type separately.)

Table V.3 -- Percentage distribution of undergraduates, by housing arrangements and selected student and institutional characteristics: Fall 1986

	School owned housing	Off campus not with parents	Off campus with parents
Total	19.8	50.4	29.8
Sex			
Male	21.3	46.6	32.2
Female	18.6	53.5	27.9
Race/ethnicity			
Asian	17.9	43.2	38.9
Black	19.1	48.0	33.0
Hispanic	9.6	50.3	40.1
Native American	16.3	61.9	21.8
White	21.0	51.0	28.1
Age			
23 years or younger	31.2	28.1	40.7
24 to 29 years	4.2	72.8	23.0
30 years or older	1.2	92.7	6.2
Family income status†			
Lt $11,000	14.0	58.0	28.0
$11,000-16,999	16.8	48.4	34.8
$17,000-22,999	17.5	46.4	36.1
$23,000-29,999	20.8	43.5	35.7
$30,000-49,999	23.7	40.6	35.8
$50,000 plus	31.2	41.3	27.6
Dependency status			
Dependent	29.2	26.1	44.7
Independent	3.7	91.7	4.5
Dependent student's family income†			
Lt $11,000	21.1	26.7	52.3
$11,000-16,999	25.9	22.3	51.8
$17,000-22,999	23.5	22.8	53.8
$23,000-29,999	27.3	24.5	48.1
$30,000-49,999	29.3	25.5	45.2
$50,000 plus	37.2	29.7	33.1
Independent student's income†			
No income	9.1	83.8	7.1
$1-11,000	7.6	83.9	8.4
$11,000-16,999	2.8	92.8	4.4
$17,000-22,999	0.6	96.6	2.8
$23,000-29,999	0.6	98.7	0.7
$30,000 plus	0.2	98.3	1.5

Table V.3 -- Percentage distribution of undergraduates, by housing arrangements and selected student and institutional characteristics: Fall 1986--Continued

	School owned housing	Off campus not with parents	Off campus with parents
Attendance status			
Full-time	30.0	38.8	31.2
Part-time	3.0	69.4	27.7
Educational objective			
Certificate/award	4.6	58.9	36.5
Associate degree	4.8	53.5	41.7
Bachelor's degree	31.6	43.6	24.8
Other	10.6	66.7	22.8
No formal award	3.7	74.0	22.3
Undecided	21.0	41.4	37.6
Employment status			
Working full-time	1.2	76.3	22.5
Working part-time	16.4	41.9	41.7
Not employed	32.9	44.3	22.8
Type of institution			
Public 4-yr PhD	30.2	49.9	19.9
Private-np 4-yr PhD	46.5	34.8	18.8
Public 4-yr no PhD	24.8	46.7	28.6
Priv-np 4-yr no PhD	47.0	34.6	18.5
Public 2 year	1.9	58.4	39.7
Private-np lt 4-yr	33.5	38.9	27.7
Private-fp lt 4-yr	2.2	55.2	42.6
Public lt 2-yr	1.0	64.4	34.6
Institution level			
Less than 2 years	1.0	60.4	38.6
2 to 3 years	3.1	57.3	39.6
4-years no PhD	33.4	42.0	24.6
4-years PhD	33.9	46.5	19.6
Institutional control			
Public	14.9	53.7	31.5
Private, non-profit	45.8	35.0	19.2
Private, for-profit	2.4	55.4	42.2

† See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Fields of Study

Tables V.4a and b and Figure V.5 show students' fields of study.[3] Business/marketing was the most commonly reported field, with 29 percent of all students reporting it as their field of study. The second most commonly reported field was technical and engineering, with 16 percent of all students reporting it as their field of study.

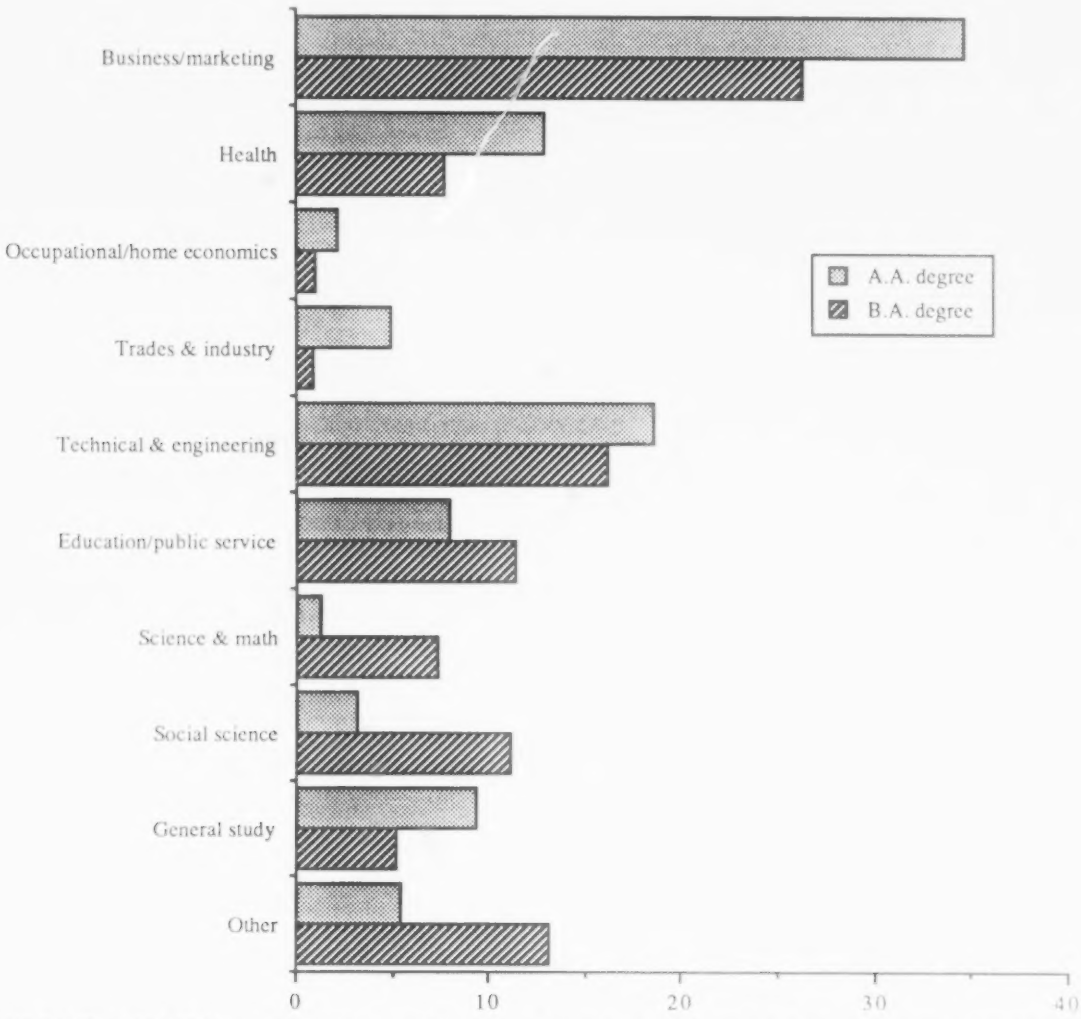
Fields of study are most interesting to examine when considering students' educational objectives. Approximately three-fourths of the students seeking certificates were in four fields: business/marketing (31 percent), trades and industry (15 percent), technical and engineering (15 percent), and health (13 percent). Students seeking associate degrees were also concentrated in business/marketing (35 percent). Relatively large proportions of students seeking associate degrees were enrolled in the technical and engineering (19 percent) and health (13 percent) fields. Students seeking bachelor's degrees were also concentrated in business/marketing (26 percent), although not as heavily as students with other objectives. The next most popular fields for students seeking bachelor's degrees were technical and engineering (16 percent), education and public service (11 percent), and social science (11 percent).

Approximately one-fourth of all males were in business, and one-fourth were in technical and engineering fields. Business was a popular field for females, too, with 31 percent of females enrolled. However, only 8 percent of females were in technical and engineering fields. Greater proportions of females than males were enrolled in health (14 percent compared to 4 percent) and education/public service (12 percent compared to 8 percent).

Tables C.V.5 through C.V.7 in Appendix C show the proportions of students in each field of study separately for students seeking certificates or diplomas, associate degrees, and bachelor's degrees. At every level, there were marked differences in field of study by sex.

[3]Field of study was taken from the Student Record provided by the institution if possible. For students whose field of study was missing or uncodable, the field of study reported by the student was used. For 20 percent of the students, no information on field of study was available from either source.

Figure V.5--Percentage of students enrolled in each field of study: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table V.4a -- Percentage distribution of undergraduates, by field of study and selected student and institutional characteristics: Fall 1986

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Total	0.9	28.6	9.6	2.5	3.8	16.0	10.4	2.8
Sex								
Male	1.4	25.3	3.5	0.7	7.5	26.1	7.9	3.2
Female	0.6	31.2	14.5	4.0	0.8	7.8	12.4	2.6
Race/ethnicity								
Asian	0.1	21.9	7.8	2.1	6.3	27.8	4.2	1.2
Black	0.1	34.2	10.5	3.6	3.7	15.8	9.9	2.9
Hispanic	0.4	32.4	8.3	3.4	5.5	16.1	8.6	2.4
Native American	0.0	31.6	12.5	5.6	5.5	12.9	10.5	1.3
White	1.2	27.9	9.7	2.3	3.5	15.3	11.0	3.0
Age								
23 years or younger	1.1	27.9	8.3	2.2	3.1	15.9	10.1	3.8
24 to 29 years	0.7	28.8	11.3	2.3	5.0	19.6	9.9	1.9
30 years or older	0.8	30.4	11.8	3.5	4.9	13.3	11.6	1.0
Family income status†								
Lt $11,000	0.9	28.7	10.3	3.6	4.9	15.7	10.4	2.3
$11,000-16,999	0.7	28.6	9.8	2.5	4.8	17.9	11.0	2.1
$17,000-22,999	0.7	30.0	10.1	2.1	3.5	16.4	11.8	2.9
$23,000-29,999	0.7	26.7	10.3	2.2	3.3	17.2	10.6	3.2
$30,000-49,999	1.0	27.4	9.1	1.7	3.1	17.3	10.7	3.3
$50,000 plus	1.2	28.7	7.3	1.8	1.9	15.1	8.7	3.8
Dependency status								
Dependent	1.0	27.6	8.4	2.0	3.1	16.3	10.0	3.7
Independent	0.8	30.2	11.5	3.4	5.0	15.4	11.0	1.3
Dependent student's family income†								
Lt $11,000	1.0	29.6	8.8	3.2	4.5	17.5	10.5	2.8
$11,000-16,999	0.2	27.5	9.0	3.2	3.3	17.7	12.1	2.3
$17,000-22,999	0.8	25.8	9.2	2.3	5.6	16.4	9.2	3.8
$23,000-29,999	1.3	26.8	9.2	1.9	3.8	15.0	10.9	3.6
$30,000-49,999	1.3	26.9	8.9	1.5	2.9	16.6	10.4	4.2
$50,000 plus	0.9	28.8	6.9	1.7	1.4	15.4	8.6	4.1
Independent student's income†								
No income	0.9	27.6	11.1	6.9	5.7	13.0	10.0	1.5
$1-11,000	0.9	26.4	12.7	4.6	4.7	16.7	9.2	2.0
$11,000-16,999	0.6	30.8	11.5	3.1	4.9	15.5	12.3	1.1
$17,000-22,999	0.3	34.0	11.6	2.6	6.0	13.4	11.7	0.7
$23,000-29,999	0.9	30.5	10.1	2.6	5.0	15.7	14.9	1.3
$30,000 plus	0.8	33.9	10.9	1.2	4.6	15.7	11.1	0.8

Table V.4a -- Percentage distribution of undergraduates, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Mother's education								
Less than HS	0.5	30.4	11.6	3.4	4.8	16.0	11.6	1.5
High school only	0.8	30.1	9.9	2.4	4.0	17.3	10.1	2.5
Voc tech/lt 2 yrs pse	1.1	27.8	9.8	2.2	4.6	15.5	10.8	3.1
AA/gt 2 yrs pse	1.0	29.1	9.0	2.0	3.4	14.1	10.0	3.2
BA or BS	1.4	25.0	8.0	1.5	2.5	16.0	10.3	4.5
Advanced degree	1.0	22.2	7.0	1.6	1.1	14.8	10.2	3.8
Father's education								
Less than HS	0.5	32.0	11.2	2.8	5.4	15.8	10.4	1.4
High school only	1.0	30.7	10.4	2.4	4.1	16.4	10.3	2.6
Voc tech/lt 2 yrs pse	1.0	27.7	9.9	2.7	3.7	16.3	11.1	3.0
AA/gt 2 yrs pse	0.9	25.0	8.7	1.8	2.9	17.3	10.9	3.6
BA or BS	1.2	26.1	7.5	1.6	2.0	16.6	9.9	4.3
Advanced degree	1.2	22.3	7.0	1.7	1.9	14.4	10.2	3.9
Mother's occupation								
Managerial	1.1	30.6	8.4	1.6	3.1	14.5	9.1	4.5
Professional	1.1	22.8	8.8	2.3	3.1	16.1	10.9	4.0
Mktg/sales	0.9	29.3	9.2	1.8	2.9	15.9	10.9	3.0
Tech/support	0.7	30.3	9.5	2.2	2.0	17.3	10.3	3.9
Services	0.4	28.3	11.0	2.5	3.9	17.5	11.0	2.6
Prec prod/crafts/rep	1.3	27.1	9.4	2.7	5.6	19.4	9.6	2.9
Oper/fbrctrs/lbrs	0.6	28.2	5.9	3.4	6.7	24.3	10.2	1.4
Farm/forest/fish	7.6	24.9	3.3	2.5	4.7	9.7	15.2	1.1
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	1.0	29.8	9.9	2.4	4.3	15.6	10.3	2.4
Other/unknown	0.7	29.9	10.3	3.5	4.8	15.1	10.0	1.8
Father's occupation								
Managerial	1.0	32.4	7.3	1.9	2.5	14.7	9.8	4.0
Professional	1.1	20.2	8.4	1.8	2.1	17.7	10.8	3.6
Mktg/sales	0.5	27.6	10.1	1.4	4.6	16.7	10.9	3.4
Tech/support	0.8	29.9	8.2	1.7	2.2	15.4	9.9	4.3
Services	0.7	29.3	8.7	2.3	6.1	13.9	12.0	2.5
Prec prod/crafts/rep	0.9	28.3	11.2	3.2	4.9	16.9	10.4	2.1
Oper/fbrctrs/lbrs	0.6	28.7	10.9	3.0	5.8	19.0	10.7	2.6
Farm/forest/fish	5.0	26.5	11.8	2.5	6.4	13.1	11.0	1.1
Military	1.3	27.7	5.5	2.2	2.3	20.8	9.5	2.0
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	0.6	30.8	10.9	3.3	4.4	15.2	10.2	1.9

Table V.4a -- Percentage distribution of undergraduates, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Enrollment level								
First year	0.9	30.6	10.3	3.9	6.5	16.2	8.7	2.1
Second year	0.7	30.4	9.9	1.9	3.5	17.0	9.5	2.5
Third year	1.2	26.3	9.5	1.6	1.6	14.9	11.1	3.7
Fourth year or more	1.0	25.1	8.2	1.4	1.4	16.2	11.6	4.4
Attendance status								
Full-time	1.1	26.8	9.5	2.6	3.3	15.7	10.1	3.5
Part-time	0.6	31.9	9.7	2.3	4.8	16.5	10.9	1.6
Educational objective								
Certificate/award	0.2	31.1	12.7	10.3	15.5	14.7	7.6	1.2
Associate degree	0.7	34.6	12.9	2.2	4.9	18.5	7.9	1.5
Bachelor's degree	1.1	26.3	7.7	1.0	0.9	16.1	11.3	4.1
Other	1.2	22.3	13.4	3.5	3.9	13.5	16.9	1.5
No formal award	1.5	31.9	5.1	2.2	5.2	11.4	8.2	1.3
Undecided	0.6	27.2	5.0	1.6	5.8	12.6	9.7	1.4
Type of institution								
Public 4-yr PhD	2.2	21.8	8.5	1.2	0.4	18.0	10.8	5.0
Private-np 4-yr PhD	0.4	26.2	8.2	0.5	1.1	17.0	5.6	4.1
Public 4-yr no PhD	0.7	26.0	7.6	1.2	0.8	13.1	19.1	3.5
Priv-np 4-yr no PhD	0.1	34.3	9.0	1.0	0.9	9.1	9.9	2.6
Public 2-yr	0.8	30.6	10.9	2.2	6.7	16.6	9.5	1.3
Private-np lt 4-yr	0.5	30.2	28.1	5.5	7.0	13.8	5.6	0.4
Private-fp lt 4-yr	0.0	43.2	7.7	15.7	7.7	21.4	1.5	1.5
Public lt 2-yr	0.7	28.9	19.3	4.7	33.4	9.5	2.0	0.6
Institution level								
Less than 2 years	0.2	36.5	12.4	18.1	13.8	15.6	2.0	0.7
2 to 3 years	0.7	31.7	11.1	2.2	6.8	17.1	8.9	1.3
4-yrs no PhD	0.5	29.0	8.1	1.1	0.9	12.2	15.3	3.2
4-yrs PhD	1.8	22.7	8.4	1.0	0.6	17.8	9.7	4.8
Insitutional control								
Public	1.2	26.9	9.6	1.7	4.1	16.2	11.7	2.9
Private, non-profit	0.3	31.1	10.2	1.2	1.4	12.3	8.0	3.0
Private, for-profit	0.0	41.7	7.5	15.0	7.4	23.6	1.5	1.8

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table V.4b -- Percentage distribution of undergraduates, by field of study and selected student and institutional characteristics: Fall 1986

	Letters/ lang	Human- ities	Science and math	Social science	Fine arts	General study
Total	2.3	0.5	4.9	7.6	3.5	6.6
Sex						
Male	1.5	0.7	6.1	6.7	3.2	6.2
Female	2.9	0.4	4.0	8.3	3.8	6.9
Race/ethnicity						
Asian	2.4	0.5	9.2	7.0	3.2	6.3
Black	1.3	0.3	3.3	6.5	2.1	5.9
Hispanic	3.0	0.2	3.7	6.6	2.6	6.8
Native American	1.0	0.0	4.4	7.2	0.6	6.8
White	2.4	0.6	5.0	7.8	3.8	6.7
Age						
23 years or younger	2.6	0.5	6.3	8.9	3.6	5.9
24 to 29 years	1.5	0.5	3.9	5.5	3.2	6.0
30 years or older	2.0	0.8	2.1	5.5	3.5	8.9
Family income status†						
Lt $11,000	2.3	0.8	4.1	5.8	2.9	7.4
$11,000-16,999	2.0	0.7	3.8	7.5	2.8	5.8
$17,000-22,999	1.8	0.5	5.1	6.8	3.3	5.0
$23,000-29,999	1.7	0.6	5.5	7.8	3.8	6.6
$30,000-49,999	2.5	0.5	6.0	7.5	3.8	6.0
$50,000 plus	3.1	0.5	6.7	10.2	4.1	7.1
Dependency status						
Dependent	2.6	0.5	6.0	8.8	3.8	6.1
Independent	1.8	0.6	3.1	5.5	3.0	7.4
Dependent student's family income†						
Lt $11,000	2.6	0.4	4.0	7.0	3.8	4.4
$11,000-16,999	2.5	0.4	5.5	8.9	2.0	5.4
$17,000-22,999	2.2	0.5	5.5	9.1	4.2	5.6
$23,000-29,999	2.8	0.6	5.7	7.1	4.0	7.4
$30,000-49,999	2.2	0.4	6.1	8.2	3.9	6.7
$50,000 plus	3.2	0.6	7.5	11.0	4.0	6.2
Independent student's income†						
No income	3.2	0.6	3.6	5.8	3.1	7.1
$1-11,000	2.1	0.6	3.6	7.0	3.6	6.1
$11,000-16,999	1.4	0.7	2.8	4.9	1.9	8.6
$17,000-22,999	1.6	0.5	2.8	4.9	3.0	7.2
$23,000-29,999	1.4	0.9	3.3	4.5	1.7	7.2
$30,000 plus	1.5	0.6	2.3	4.7	3.2	8.7

Table V 4b.-. Percentage distribution of undergraduates, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human- ities	Science and math	Social science	Fine arts	General study
Mother's education						
Less than HS	2.0	0.6	3.3	5.7	2.0	6.6
High school only	2.0	0.4	4.3	6.3	3.3	6.8
Voc tech/lt 2 yrs pse	2.1	0.5	4.9	8.1	3.9	5.6
AA/gt 2 yrs pse	2.2	0.7	6.1	8.1	3.9	7.2
BA or BS	3.5	0.6	6.1	10.1	4.1	6.5
Advanced degree	3.7	0.7	9.1	12.7	5.2	7.1
Father's education						
Less than HS	1.8	0.5	3.2	5.5	2.5	6.9
High school only	1.8	0.4	4.4	6.3	3.0	6.3
Voc tech/lt 2 yrs pse	2.2	0.5	4.9	7.9	2.7	6.4
AA/gt 2 yrs pse	2.8	0.6	5.3	9.0	4.8	6.6
BA or BS	3.2	0.6	6.4	9.3	4.8	6.6
Advanced degree	4.3	0.8	8.8	11.9	5.4	6.3
Mother's occupation						
Managerial	2.7	1.0	6.7	7.6	4.2	5.1
Professional	3.3	0.6	6.9	9.8	4.5	5.8
Mktg/sales	2.2	0.5	5.6	8.1	3.5	6.4
Tech/support	2.3	0.3	4.2	9.5	3.2	4.3
Services	2.2	0.3	3.8	5.9	3.1	7.2
Prec prod/crafts/rep	1.0	0.5	4.0	6.7	1.8	8.1
Oper/fbrctrs/lbrs	0.6	0.3	2.6	3.7	2.3	9.7
Farm/forest/fish	5.1	0.6	8.1	4.6	2.0	10.7
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	2.2	0.4	4.6	7.0	3.5	6.6
Other/unknown	2.0	0.6	3.7	6.6	3.3	7.7
Father's occupation						
Managerial	2.3	0.5	6.0	8.4	3.6	5.7
Professional	3.7	0.5	8.2	10.0	5.4	6.6
Mktg/sales	2.8	0.4	5.7	6.3	4.2	5.5
Tech/support	2.2	0.6	5.5	9.4	3.4	6.7
Services	1.6	0.5	3.8	7.3	3.4	7.9
Prec prod/crafts/rep	2.0	0.5	4.8	6.2	2.9	5.9
Oper/fbrctrs/lbrs	1.3	0.5	2.7	6.9	1.9	5.6
Farm/forest/fish	3.1	0.5	4.6	5.6	2.6	6.1
Military	2.2	0.2	4.2	13.5	2.4	6.4
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	1.8	0.6	2.9	6.5	3.1	7.8

Table V.4b.-- Percentage distribution of undergraduates, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human- ities	Science and math	Social science	Fine arts	General study
Enrollment level						
First year	1.4	0.4	3.5	4.4	3.1	8.1
Second year	1.9	0.4	4.5	6.7	3.1	8.3
Third year	3.4	0.7	7.0	10.9	3.4	4.8
Fourth year or more	3.5	0.8	6.8	12.0	4.2	3.3
Attendance status						
Full-time	2.7	0.6	6.0	9.0	3.7	5.5
Part-time	1.6	0.5	2.9	4.8	3.3	8.7
Educational objective						
Certificate/award	0.6	0.4	0.8	1.2	1.6	2.3
Associate degree	0.8	0.0	1.3	3.1	2.4	9.3
Bachelor's degree	3.3	0.7	7.3	11.1	3.9	5.2
Other	1.8	0.9	6.3	6.6	3.8	4.6
No formal award	2.6	0.5	2.6	3.2	7.7	16.6
Undecided	1.3	0.2	3.7	9.3	4.9	16.8
Type of institution						
Public 4-yr PhD	3.4	0.3	7.7	11.1	3.7	6.2
Private-np 4-yr PhD	4.9	1.6	8.6	14.2	4.4	3.4
Public 4-yr no PhD	2.9	0.2	6.9	11.2	3.9	3.0
Priv-np 4-yr no PhD	3.0	2.6	7.8	11.1	4.8	3.8
Public 2-yr	1.3	0.2	2.0	3.3	3.3	11.4
Private-np lt 4-yr	0.1	0.4	0.8	2.3	1.3	3.9
Private-fp lt 4-yr	0.0	0.0	0.0	0.0	1.2	0.1
Public lt 2-yr	0.0	0.0	0.0	0.0	0.8	0.0
Institution level						
Less than 2 years	0.0	0.0	0.0	0.1	0.5	0.0
2 to 3 years	1.2	0.2	1.9	3.1	3.2	10.5
4-yrs no PhD	2.9	1.1	7.2	11.0	4.3	3.3
4-yrs PhD	3.7	0.5	7.9	11.7	3.9	5.6
Insititutional control						
Public	2.2	0.2	4.8	7.3	3.5	7.9
Private, non-profit	3.4	2.1	7.5	11.6	4.4	3.6
Private, for-profit	0.0	0.0	0.0	0.0	1.4	0.1

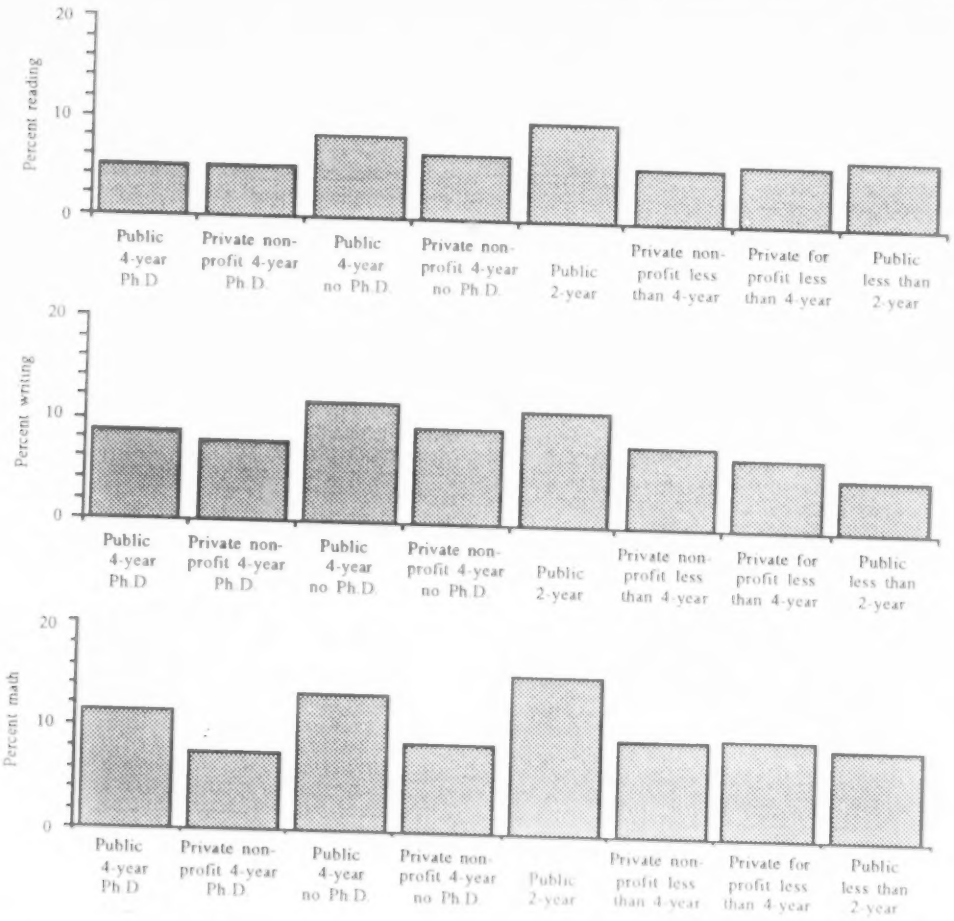
†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student QuestionnaireData File, CS 89-312m.

Remedial Education

Overall, 18 percent of students took some remedial education the first year they were enrolled in the postsecondary institution they attended in the fall of 1986. Eight percent took some remedial education in reading, 10 percent in writing, and 12 percent in math (Table V.5). Males and females were about equally likely to have taken remedial education in each of these areas. Among the different racial and ethnic groups, whites were the least likely to have taken any remedial education. Regarding the type of institution, students in public, 2-year and public, 4-year, non-Ph.D.-granting institutions were the most likely to have taken remedial education, particularly in math (Figure V.6).

Figure V.6--Percentage of students reporting receiving remedial education in reading, writing, or math by type of institution: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table V.5 -- Percentage of undergraduates reporting receiving remedial education during the first year enrolled, by selected student and institutional characteristics: Fall 1986

	Percent any remed	Percent reading	Percent writing	Percent math	Percent study skills	Percent other
Total	17.7	7.6	10.1	12.5	5.3	2.8
Sex						
Male	17.6	7.6	10.2	12.8	5.4	2.6
Female	17.8	7.6	10.0	12.2	5.3	2.8
Race/ethnicity						
Asian	30.0	20.6	24.3	21.5	12.1	4.7
Black	23.2	13.7	13.8	18.9	9.6	2.8
Hispanic	27.2	14.5	17.1	18.4	9.8	4.6
Native American	21.5	9.8	12.3	13.5	5.1	5.6
White	15.3	5.4	8.0	10.6	4.0	2.4
Age						
23 years or younger	17.1	7.4	10.2	11.9	5.0	2.6
24 to 29 years	21.9	9.9	12.8	15.5	6.8	4.0
30 years or older	16.0	6.6	7.6	11.7	5.0	2.4
Family income status†						
Lt $11,000	25.3	13.0	14.9	18.8	9.0	4.1
$11,000-16,999	22.7	10.9	13.3	17.0	8.2	3.4
$17,000-22,999	17.0	7.1	9.9	11.6	5.3	2.9
$23,000-29,999	17.3	6.5	8.9	11.8	4.6	3.0
$30,000-49,999	14.6	5.3	8.1	9.7	3.6	2.1
$50,000 plus	13.7	5.3	7.9	9.3	3.3	1.9
Dependency status						
Dependent	17.3	7.4	10.4	11.9	5.1	2.6
Independent	18.3	7.9	9.6	13.3	5.7	3.1
Dependent student's family income†						
Lt $11,000	24.7	13.3	15.8	18.6	8.8	4.2
$11,000-16,999	19.5	9.5	11.7	14.0	7.0	2.2
$17,000-22,999	20.0	8.5	11.6	14.0	6.8	2.1
$23,000-29,999	17.5	7.0	10.3	11.6	5.9	2.9
$30,000-49,999	15.3	5.8	8.8	10.3	4.0	2.4
$50,000 plus	14.6	5.8	8.9	9.6	3.2	2.2
Independent student's income†						
No income	14.2	7.8	8.3	11.4	5.4	1.7
$1-11,000	22.2	11.0	13.8	16.4	7.3	3.8
$11,000-16,999	20.8	9.2	9.9	14.9	7.0	4.1
$17,000-22,999	17.7	7.8	10.4	12.3	6.2	3.4
$23,000-29,999	18.1	4.8	7.5	14.6	4.8	1.8
$30,000 plus	14.6	5.3	5.7	9.8	3.8	2.7

Table V.5 -- Percentage of undergraduates reporting receiving remedial education during the first year enrolled, by selected student and institutional characteristics: Fall 1986--Continued

	Percent any remed	Percent reading	Percent writing	Percent math	Percent study skills	Percent other
Mother's education						
Less than HS	21.5	10.9	12.5	15.9	6.4	3.1
High school only	17.7	7.3	9.9	11.9	5.0	2.9
Voc tech/lt 2 yrs pse	25.8	10.7	14.9	18.5	8.7	4.3
AA/gt 2 yrs pse	14.6	5.1	7.5	10.4	4.2	2.1
BA or BS	11.8	4.5	6.8	8.3	3.4	1.2
Advanced degree	9.0	3.3	5.5	6.3	2.5	1.9
Father's education						
Less than HS	21.6	10.9	12.1	15.4	6.7	3.1
High school only	12.2	4.9	6.7	8.8	3.7	2.2
Voc tech/lt 2 yrs pse	24.8	9.7	13.4	17.0	8.4	4.4
AA/gt 2 yrs pse	13.0	5.4	7.6	9.5	3.9	2.0
BA or BS	15.1	5.9	9.2	10.6	3.6	1.7
Advanced degree	19.9	7.2	11.3	13.2	5.4	3.0
Type of institution						
Public 4-yr PhD	15.5	5.3	8.9	11.4	4.2	2.4
Private-np 4-yr PhD	11.9	5.3	7.7	7.4	3.4	1.4
Public 4-yr no PhD	19.2	8.3	11.9	13.3	5.9	2.2
Priv-np 4-yr no PhD	14.1	6.5	9.2	8.7	4.6	1.7
Public 2-yr	21.2	9.8	11.4	15.3	6.3	3.5
Private-np lt 4-yr	13.6	5.6	8.0	9.5	3.3	3.2
Private-fp lt 4-yr	13.9	6.3	7.2	9.6	6.1	3.8
Public lt 2-yr	13.3	6.7	5.2	8.9	4.9	4.1
Institution level						
Less than 2 years	13.6	6.7	6.9	9.2	6.1	3.9
2 to 3 years	20.6	9.4	11.1	14.9	6.2	3.5
4-yrs no PhD	17.2	7.6	10.8	11.5	5.4	2.0
4-yrs PhD	14.7	5.3	8.6	10.5	4.0	2.2
Institutional control						
Public	19.0	8.1	10.6	13.6	5.6	2.9
Private, non-profit	13.2	6.0	8.5	8.3	4.1	1.7
Private, for-profit	14.1	6.3	7.4	9.7	6.3	3.7

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

CHAPTER VI

SOURCES OF FINANCIAL SUPPORT

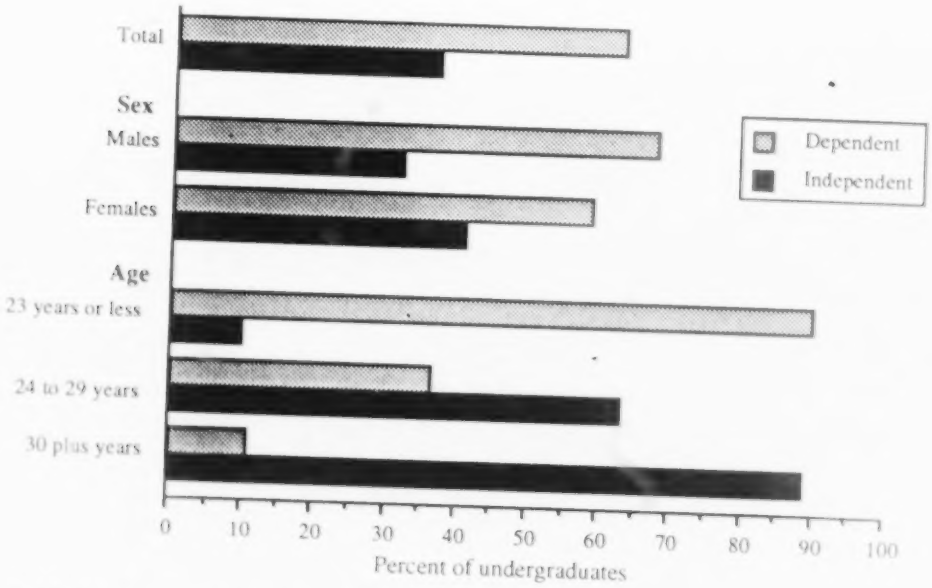
Undergraduates relied on a variety of resources to meet their educational expenses. Most used some combination of their own assets from earnings and savings, contributions from parents, relatives, and friends, and/or financial aid. This chapter describes the extent to which fall 1986 undergraduates relied on these various sources of support, as well as specifies the average amounts of student aid awarded to various groups of undergraduates. The final section describes employment and earnings for fall 1986 undergraduates.

The financial aid system categorizes students into two groups—dependent and independent—based on the amount of financial support they have received from their parent(s). Students were considered financially dependent if, during the previous two years, they lived with their parents for six or more weeks, received $750 or more from them or were claimed as a dependent on their parents' income tax statements. Correspondingly, students were considered financially independent if they did not meet any of these criteria. Because the financial circumstances of independent and dependent students vary so much, separate tables on the sources of support are included in this section.

Dependency Status

In the fall of 1986, 63 percent of all undergraduates were financially dependent on their parents (Figure VI.1 and Table VI.1). Approximately 68 percent of all male and 59 percent of all female undergraduates were financially dependent. Not surprisingly, financial dependency was closely associated with the student's age. Younger students were much more likely to be dependent on their parents than were their older counterparts. Ninety percent of the students 23 years old or younger were financially dependent. In contrast, 37 percent of the students between 24 and 29 years old and 11 percent of the students 30 years old or older were financially dependent. Full-time students were more likely than part-time students to be financially dependent (76 percent compared to 42 percent).

Figure VI.1--Percentages of undergraduates who were financially dependent and independent, by sex and age: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table VI.1 -- Percentage distribution of undergraduates, by dependency status and selected student and institutional characteristics: Fall 1986

	Financial dependence	Financial independence
Total	63.0	37.0
Sex		
Male	67.9	32.1
Female	59.1	40.9
Race/ethnicity		
Asian	67.0	33.0
Black	55.9	44.1
Hispanic	60.0	40.0
Native American	55.7	44.4
White	64.0	36.1
Age		
23 years or younger	90.0	10.0
24 to 29 years	36.5	63.5
30 years or older	10.9	89.1
Family income status[†]		
Lt $11,000	46.3	53.7
$11,000-16,999	61.6	38.4
$17,000-22,999	65.9	34.1
$23,000-29,999	69.7	30.3
$30,000-49,999	74.7	25.3
$50,000 plus	82.3	17.7
Attendance status		
Full-time	76.0	24.0
Part-time	41.6	58.4
Educational objective		
Certificate/award	44.5	55.5
Associate degree	54.4	45.6
Bachelor's degree	74.8	25.2
Other	43.7	56.3
No formal award	35.2	64.8
Undecided	68.6	31.5

Table VI.1 -- Percentage distribution of undergraduates, by dependency status and selected student and institutional characteristics: Fall 1986--Continued

	Financial dependence	Financial independence
Employment status		
Working full-time	34.1	65.9
Working part-time	72.2	27.8
Not employed	69.8	30.2
Type of institution		
Public 4-yr PhD	75.6	24.4
Private-np 4-yr PhD	80.7	19.3
Public 4-yr no PhD	69.7	30.3
Priv-np 4-yr no PhD	72.3	27.7
Public 2 year	49.8	50.2
Private-np lt 4-yr	67.1	32.9
Private-fp lt 4-yr	45.5	54.5
Public lt 2-yr	41.9	58.1
Institution level		
Less than 2 years	40.1	60.0
2 to 3 years	50.7	49.3
4-years no PhD	70.7	29.3
4-years PhD	76.8	23.2
Institutional control		
Public	61.3	38.7
Private, not-for-profit	75.1	24.9
Private, for-profit	46.2	53.8

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student QuestionnaireData File, CS 89-312m.

Sources of Support

Student Contributions

Regardless of their dependency status, approximately three-fourths of all undergraduates contributed toward financing their own education or received financial support from their spouses (Figure VI.2 and Tables VI.2 and VI.3). Students who worked were more likely than those who did not work to contribute. This pattern was found among both dependent and independent undergraduates enrolled in the fall of 1986. For example, more than 80 percent of the financially dependent undergraduates who worked full-time and a similar percentage of those who worked part-time contributed somewhat to their educational expenses. In contrast, only about two-thirds of the dependent students who were not employed made contributions.

Parent Contributions

Eighty-seven percent of all dependent undergraduates received some parental contribution to their postsecondary education.[1] However, dependent students who were enrolled part-time were far less likely to have received parental contributions than dependent students who were enrolled full-time (72 percent compared to 91 percent). Receipt of parental contributions was also related to the student's degree objective. Financially dependent undergraduates who were working towards their bachelor's degrees were much more likely to have received assistance from their families than students planning to complete shorter academic programs, either an associate degree or a certificate (91 percent compared to 81 percent). Furthermore, parental contributions were less common among students who were not planning to obtain a formal award (64 percent) than among students who were working toward some type of degree.

Only 17 percent of the financially independent students received financial contributions from their parents. Among independent undergraduates, younger students were more likely than their older counterparts to have received parent contributions. Thirty-eight percent of the independent students 23 years old or younger received parental aid. In comparison, only 20 percent of those between 24 and 29 years old and nine percent of those 30 years old or older received parental contributions.

Financial Aid

Financial aid was an important source of support for many undergraduates. Fifty percent of the independent and 48 percent of the dependent students received either federal, state, institutional, or other aid. Not surprisingly, students from lower income families were more likely to have received financial aid than their peers from higher income families. For example, 65 percent of the dependent undergraduates who had annual family incomes of less than $11,000 received student aid. In contrast, only 27 percent of the dependent undergraduates who had annual family incomes of $50,000 or more received aid.

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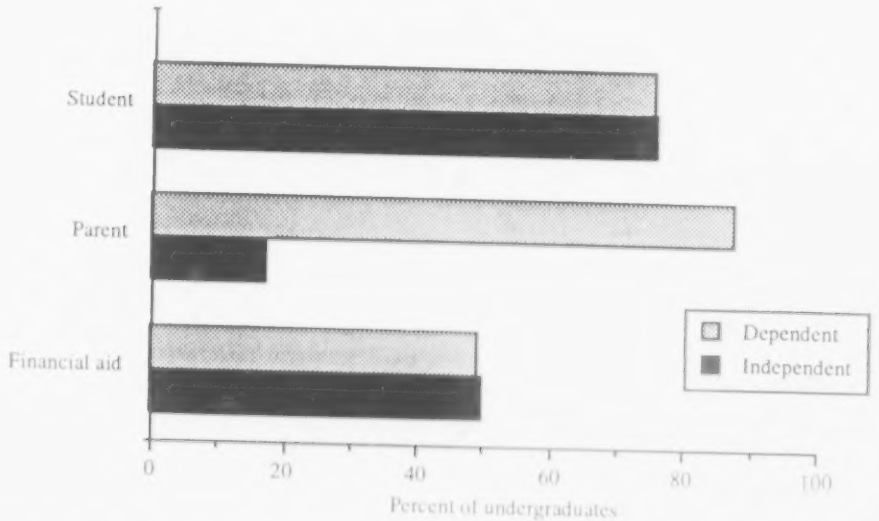
[1]Although it may seem contradictory, not all students who were financially dependent received contributions from their parents. Students' financial dependency status was determined by examining parental support during the previous two years. Some of the students who received parental support either in 1984-85 or in 1985-86 may not have received parental support in 1986-87, the year of the NPSAS survey.

Total student aid awarded to dependent recipients averaged $2,625, while total student aid awarded to independent undergraduates averaged $2,721. Aided students who were enrolled in public institutions received less financial aid than their counterparts at private institutions. Among dependent students, those at public institutions averaged $2,200 in aid, while those at private, nonprofit institutions averaged $3,196 and those at private, for-profit institutions averaged $3,356. Similar amounts of aid were received by financially independent undergraduates at each type of postsecondary institution.

Both independent and dependent students used federal aid as a source of support. Thirty-three percent of the dependent students and 37 percent of the independent students received federal aid in the form of loans, grants, or college work study. Regardless of their dependency status, undergraduates enrolled in less-than-2-year programs were more likely to have received aid than students enrolled in programs of longer duration. Three-fourths of the independent undergraduates at less-than-2-year programs were awarded federal aid. Among independent students at other institutions, only 27 percent of the undergraduates at 2-year institutions, 43 percent of the students at 4-year non-Ph.D.-granting institutions, and 46 percent of the students at 4-year Ph.D.-granting institutions received federal aid. Among dependent undergraduates, there was a similar pattern; the highest proportion of aid recipients was at less-than-2-year institutions and the smallest fraction was at 2-year institutions.

Figure VI.2--Percentage of undergraduates receiving support for postsecondary education, by type of support: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table VI.2 -- Percentage of dependent undergraduates receiving support for postsecondary education and average amount of financial aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Total	74.9	86.6	47.8	33.0	34.8	24.7	$2624	$2367	$2,288
Sex									
Male	78.0	87.3	45.9	31.4	32.6	23.5	2675	2489	2331
Female	71.9	85.9	49.5	34.5	36.9	25.8	2581	2267	2252
Race/ethnicity									
Asian	64.3	86.3	41.3	28.5	31.5	16.9	2615	3160	2306
Black	68.8	80.9	68.1	57.3	56.8	37.8	2851	2530	2126
Hispanic	72.6	82.6	48.4	37.0	37.1	22.2	2585	2541	2433
Native American	68.3	65.3	47.2	29.7	29.9	18.3	2441	2278	2171
White	76.5	87.8	46.0	30.5	32.6	24.1	2585	2269	2304
Age									
23 yrs or younger	74.7	90.8	50.4	35.5	37.3	26.8	2643	2418	2289
24 to 29 yrs	76.5	68.0	31.1	18.5	19.1	12.4	2425	1821	2238
30 yrs or older	75.1	41.0	30.9	14.6	18.8	8.1	2243	1503	2379
Student's earnings									
No income	43.7	86.7	51.3	35.1	40.8	22.1	2683	2444	2236
$1-11,000	79.6	91.2	51.0	36.1	37.0	27.8	2636	2416	2294
$11,000-16,999	85.9	65.6	21.9	11.0	12.0	7.7	1961	1071	2338
$17,000-22,999	84.7	51.9	18.4	6.3	11.3	2.3	1758	1382	Low-N
$23,000-29,999	77.6	32.3	27.7	4.0	18.0	1.9	Low-N	736	Low-N
$30,000 plus	84.8	33.9	24.3	5.5	12.1	2.8	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	71.3	75.7	76.8	67.3	68.7	37.4	2952	2734	2150
$11,000-16,999	75.8	82.7	70.8	60.5	62.0	39.0	2720	2460	2173
$17,000-22,999	80.3	84.1	59.6	48.7	48.8	34.4	2601	2287	2260
$23,000-29,999	79.8	89.4	55.4	41.5	39.5	33.1	2420	2283	2280
$30,000-49,999	79.7	91.8	46.6	29.9	29.9	26.5	2469	2288	2339
$50,000 plus	70.0	94.1	30.2	12.6	17.6	11.5	2620	2259	2480
Dependent student's family income†									
Lt $11,000	71.0	77.0	64.9	54.5	57.4	31.4	2985	2676	2124
$11,000-16,999	74.9	81.6	77.2	63.2	65.7	38.2	2734	2425	2163
$17,000-22,999	76.8	84.9	60.4	46.9	49.3	32.1	2593	2398	2277
$23,000-29,999	77.6	84.0	55.5	40.7	42.9	32.5	2541	2240	2378
$30,000-49,999	77.4	89.1	44.0	27.1	26.9	24.1	2380	2205	2303
$50,000 plus	71.5	91.4	27.0	12.1	15.4	11.7	2541	2219	2484

Table VI.2 -- Percentage of dependent undergraduates receiving support for postsecondary education and average amount of financial aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid				Average Amount		
			Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Mother's education									
Less than HS	73.1	76.5	55.2	43.6	43.7	26.5	$2633	$2442	$2282
High school only	76.7	85.7	51.9	37.8	37.9	28.6	2614	2279	2244
Voc tech/lt 2yrs pse	74.2	88.3	49.1	34.6	36.4	25.9	2524	2226	2216
AA/gt 2 yrs pse	77.2	87.3	43.6	29.8	31.3	23.4	2641	2262	2379
BA or BS	74.9	92.0	40.8	24.6	28.2	20.0	2690	2613	2354
Advanced degree	74.2	93.0	41.0	21.8	26.8	19.1	2747	2728	2420
Father's education									
Less than HS	72.0	76.4	57.1	45.2	45.6	27.5	2626	2328	2246
High school only	77.5	86.4	51.0	36.6	37.0	27.8	2583	2241	2234
Voc tech/lt 2yrs pse	75.5	87.2	48.7	34.5	35.7	26.0	2592	2238	2265
AA/gt 2 yrs pse	74.9	88.2	43.6	28.7	32.9	23.0	2759	2493	2347
BA or BS	76.2	92.0	40.6	25.2	27.8	21.1	2694	2496	2411
Advanced degree	72.3	93.5	41.9	22.5	27.7	18.9	2669	2786	2368
Enrollment level									
First year	72.3	86.1	51.8	35.5	38.5	25.8	2584	2237	2291
Second year	75.9	87.4	44.9	32.3	34.0	22.7	2574	2228	2315
Third year	76.4	89.1	48.4	34.2	35.3	27.2	2726	2663	2294
Fourth year or more	77.2	88.5	45.3	31.1	31.2	25.5	2688	2599	2204
Attendance status									
Full-time	73.9	91.4	55.4	39.8	41.5	30.2	2685	2478	2318
Part-time	77.7	72.1	24.9	12.5	14.6	8.2	2042	1414	1962
Educational objective									
Certificate/award	65.1	81.2	54.6	40.6	37.2	31.3	2772	1516	2460
Associate degree	76.0	81.2	39.0	27.0	29.6	15.0	2161	1517	2187
Bachelor's degree	76.3	90.6	51.7	36.3	38.3	28.9	2732	2659	2290
Other	74.1	80.6	45.3	26.3	27.2	20.1	2645	2453	2334
No formal award	71.5	63.9	26.9	11.6	15.3	6.8	2343	1963	2274
Undecided	68.2	84.6	35.6	23.3	25.6	13.7	2060	2030	2046
Employment status									
Working full-time	81.6	62.2	25.2	13.3	15.7	8.4	2014	1358	2199
Working part-time	80.6	89.4	48.0	34.5	35.0	25.8	2569	2270	2266
Not employed	67.1	90.4	52.0	36.5	39.3	27.7	2718	2521	2316

Table VI.2 -- Percentage of dependent undergraduates receiving support for postsecondary education and average amount of financial aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Type of institution									
Public 4-yr PhD	77.1	91.2	46.1	30.5	31.7	24.4	2517	1954	2066
Private-np 4-yr PhD	74.5	93.1	65.1	45.8	51.3	40.7	3436	4475	2768
Public 4-yr no PhD	76.0	89.0	48.1	36.0	33.9	24.0	2247	1671	1963
Priv-np 4-yr no PhD	74.4	91.0	73.1	52.1	60.9	45.2	3100	3301	2508
Pub 2-yr	75.4	78.2	28.7	16.0	20.1	6.4	1601	1202	1671
Private-np lt 4	62.4	79.8	66.8	43.6	50.2	33.6	2601	2336	2239
Private-fp lt 4-yr	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Public less than 2-yr	56.4	76.4	53.0	39.8	39.5	18.7	1848	1142	2109
Institution level									
Less than 2 years	58.7	80.7	73.4	65.4	51.2	55.6	3254	1614	2678
2 to 3 years	74.2	78.7	32.9	20.1	22.8	10.6	1971	1395	2060
4 years no PhD	75.3	89.8	58.5	42.9	44.9	32.9	2684	2570	2282
4 years PhD	76.5	91.6	50.7	34.2	36.4	28.3	2812	2806	2307
Institutional control									
Public	76.0	85.4	39.7	26.1	27.7	17.1	2200	1648	1976
Private, non-profit	73.6	91.1	69.4	49.0	56.3	42.6	3196	3673	2593
Private, for-profit	60.8	85.1	81.3	75.9	52.7	69.5	3356	1854	2716

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table VI.3 -- Percentage of independent undergraduates receiving support for postsecondary education and average amount of financial aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Pct w/ any aid	Pct w/ fed aid	Pct w/ grants	Pct w/ loans	Avg amt any aid	Avg amt grants	Avg amt loans
Total	77.5	16.6	49.9	37.1	39.1	23.0	$2721	$1945	$2,263
Sex									
Male	77.6	17.8	51.7	38.5	41.0	23.3	2857	2088	2302
Female	77.5	15.8	48.8	36.2	37.9	22.8	2630	1846	2238
Race/ethnicity									
Asian	72.1	21.2	52.3	40.1	42.6	20.4	2838	2463	2179
Black	70.0	19.9	64.9	53.2	54.4	31.2	2670	1998	2162
Hispanic	72.1	16.4	57.0	46.8	44.2	26.7	2595	1931	2214
Native American	75.4	16.5	60.2	53.7	50.0	20.2	2467	3095	2128
White	79.5	15.9	46.7	33.3	36.0	21.6	2748	1873	2297
Age									
23 yrs or younger	76.3	38.1	75.1	67.7	65.6	44.5	3074	2370	2261
24 to 29 yrs	77.5	19.6	53.8	41.8	41.2	26.8	2626	1816	2179
30 yrs or older	77.9	8.7	40.4	25.6	30.1	14.6	2526	1761	2346
Student's earnings									
No income	61.8	18.9	62.5	55.1	53.2	30.7	2748	2150	2255
Lt $11,000	80.5	26.5	64.0	54.8	52.4	35.3	2881	2167	2248
$11,000-16,999	82.5	11.3	41.5	25.4	25.7	16.8	2211	1336	2286
$17,000-22,999	83.8	7.4	29.7	12.8	19.4	8.0	1866	1141	2112
$23,000-29,999	83.6	5.7	26.9	6.8	18.9	4.5	2327	1081	2371
$30,000 plus	80.8	2.1	28.4	5.2	22.9	3.2	2034	1129	2341
Family income status†									
Lt $11,000	72.7	18.4	65.2	55.1	55.6	29.9	2796	2137	2256
$11,000-16,999	81.0	18.1	54.6	43.7	42.5	26.9	2681	2019	2192
$17,000-22,999	80.2	18.6	52.9	38.6	40.2	25.9	2696	1885	2375
$23,000-29,999	82.9	18.7	48.3	34.3	35.3	25.5	2819	1872	2174
$30,000-49,999	83.7	19.9	43.1	27.7	32.5	19.4	2831	1802	2260
$50,000 plus	84.9	19.9	37.5	23.2	25.5	16.4	2567	1839	2345
Independent student's income†									
No income	67.0	21.6	43.2	30.3	34.9	14.1	2619	2262	2230
$1-11,000	69.3	28.5	80.1	73.7	71.2	44.7	2978	2206	2259
$11,000-16,999	79.3	16.7	52.6	43.1	40.4	26.3	2467	1801	2376
$17,000-22,999	82.0	12.3	40.9	25.8	25.5	19.7	2341	1478	2214
$23,000-29,999	81.2	8.6	41.4	21.6	24.0	16.7	2051	1217	2245
$30,000 plus	86.7	6.4	24.2	6.5	15.9	4.2	2035	1304	2131

Table VI.3 -- Percentage of independent undergraduates receiving support for postsecondary education and average amount of financial aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Pct w/ any aid	Pct w/ fed aid	Pct w/ grants	Pct w/ loans	Avg amt any aid	Avg amt grants	Avg amt loans
Mother's education									
Less than HS	76.0	12.8	53.3	37.8	41.7	22.3	2649	1849	2246
High school only	79.8	16.3	47.3	35.7	36.9	22.6	2649	1866	2204
Voc tech/lt 2yrs pse	76.6	19.5	47.6	36.4	38.1	21.5	2781	2014	2253
AA/gt 2 yrs pse	85.9	20.0	49.6	35.3	38.6	23.7	2898	2036	2475
BA or BS	84.5	20.7	47.8	33.1	36.5	23.9	3010	1955	2353
Advanced degree	80.9	26.0	48.5	34.6	34.3	27.5	3152	2482	2457
Father's education									
Less than HS	75.9	13.6	51.2	37.8	41.1	21.5	2539	1786	2182
High school only	79.4	16.0	48.9	36.0	37.8	23.1	2695	1901	2226
Voc tech/lt 2yrs pse	78.8	18.6	47.2	33.8	35.9	20.1	2780	2058	2312
AA/gt 2 yrs pse	85.6	18.4	47.8	34.7	37.3	23.9	3026	1917	2397
BA or BS	79.2	20.8	50.1	36.3	36.5	26.0	2984	2017	2438
Advanced degree	79.6	28.2	49.1	35.1	38.2	24.4	3033	2259	2435
Enrollment level									
First year	71.1	16.1	53.1	41.8	42.6	24.5	2571	1715	2241
Second year	78.5	15.7	50.9	38.2	40.8	21.2	2527	1838	2189
Third year	82.5	19.1	54.8	41.7	43.6	28.0	2952	2242	2258
Fourth year or more	83.4	22.7	53.8	43.1	45.0	30.4	3038	2199	2243
Attendance status									
Full-time	73.0	25.6	76.1	67.9	63.5	44.5	3004	2353	2308
Part-time	80.6	10.5	32.1	16.2	22.5	8.4	1917	1154	2104
Educational objective									
Certificate/award	68.1	17.8	59.6	49.9	46.3	33.8	2831	1760	2391
Associate degree	75.1	14.3	49.3	36.3	39.9	17.4	2266	1564	2125
Bachelor's degree	82.1	21.5	58.4	46.2	48.3	32.0	2982	2283	2226
Other	80.0	14.1	42.2	22.7	24.3	14.9	2854	2319	2671
No formal award	81.2	5.3	20.9	6.9	12.6	3.0	2147	1058	2165
Undecided	71.6	19.0	31.7	23.3	26.7	8.2	1904	1376	Low-N
Employment status									
Working full-time	81.4	7.9	32.2	15.5	22.9	9.0	2063	1131	2170
Working part-time	82.4	23.8	57.8	47.4	46.8	31.5	2925	2085	2288
Not employed	68.4	20.1	62.1	53.3	51.1	31.9	2779	2217	2274

Table VI.3 -- Percentage of independent undergraduates receiving support for postsecondary education and average amount of financial aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Pct w/ any aid	Pct w/ fed aid	Pct w/ grants	Pct w/ loans	Avg amt any aid	Avg amt grants	Avg amt loans
Type of institution									
Public 4-yr PhD	84.1	23.5	60.1	47.5	45.2	34.5	3101	2189	2250
Private-np 4-yr PhD	80.9	19.9	63.9	38.9	49.1	29.1	3371	3316	2708
Public 4-yr no PhD	82.1	19.7	53.3	41.7	42.9	26.0	2775	1914	2099
Priv-np 4-yr no PhD	78.3	18.3	62.9	43.4	52.7	33.0	3209	2943	2388
Public 2-yr	77.1	12.1	36.4	23.6	28.7	9.0	1910	1336	1925
Private-np lt 4	68.3	21.1	72.6	60.6	60.3	41.8	2802	2268	2386
Private-fp lt 4-yr	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Public lt 2-yr	66.7	19.4	57.4	45.6	45.3	20.3	2291	1516	2042
Institution level									
Less than 2 years	61.1	22.5	80.9	75.2	62.3	59.2	3253	1989	2478
2 to 3 years	76.5	12.6	39.1	26.6	30.6	12.0	2111	1447	2074
4 years no PhD	80.7	19.2	57.0	42.5	46.5	29.0	2957	2357	2239
4 years PhD	83.5	22.8	60.8	45.8	45.9	33.5	3144	2417	2325
Institutional control									
Public	79.0	15.6	44.0	31.4	34.4	16.7	2441	1666	2097
Private, non-profit	78.1	19.1	64.1	43.8	52.4	32.8	3196	2968	2470
Private, for-profit	61.8	22.8	88.1	84.6	66.3	71.8	3395	2144	2512

†See the glossary in Appendix A for a description of income data.

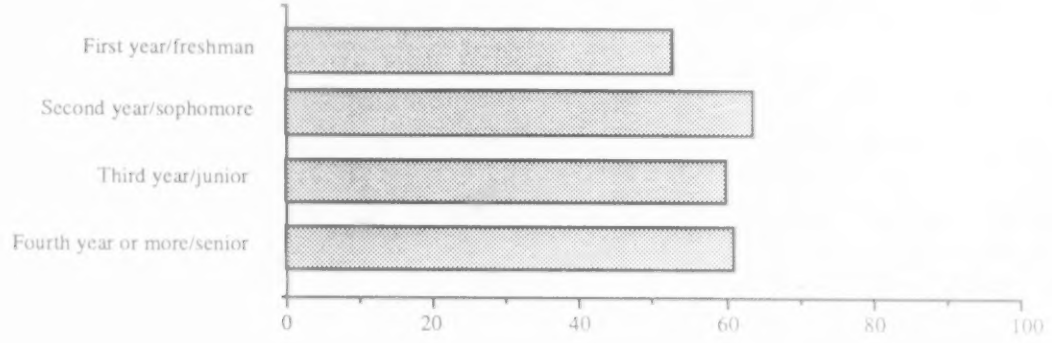
SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Student Employment and Earnings

More than one-half of the undergraduates enrolled during the fall of 1986 worked either full- or part-time while they were in school (Figure VI.3 and Table VI.4). Fifty-nine percent worked either part- or full-time during the fall of 1986, and 57 percent during the following spring. An additional 7 percent of the undergraduates were looking for work during the fall semester. First-time undergraduates were somewhat less likely to be working in the fall of 1986 than students in their second or later years. About 54 percent of the first-year students worked, compared to 62 percent of the second year students, 60 percent of the third-year students, and 61 percent of the fourth- or later-year students.

On the average, undergraduates employed during the fall semester worked 29 hours per week and earned $6.77 per hour. Fall of 1986 undergraduates who worked during the spring semester averaged about 30 hours per week and earned $6.84 per hour. Employment while in school was clearly related to the student's attendance status. Close to one-half of the students who were enrolled full-time worked, in contrast to over more than three-fourths of the students who were enrolled part-time. Furthermore, students who were enrolled part-time worked more hours than students enrolled full-time and had higher hourly wages.

Figure VI.3--Percentage of undergraduates employed, by level: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table VI.4 -- Percentage of undergraduates working and looking for work, average hours worked, and average hourly wage, by selected student and institutional characteristics: Fall 1986

	Working			Looking for work	Avg hrs worked		Avg hrly wage	
	Summer 86	Fall 86	Spring '87	Fall 86	Fall 86	Spring 87	Fall 86	Spring 87
Total	78.8	59.5	57.3	6.9	29.2	29.7	$6.77	$6.84
Sex								
Male	83.8	60.2	58.3	7.5	30.6	31.1	7.15	7.22
Female	74.8	58.9	56.5	6.4	28.0	28.5	6.46	6.52
Race/ethnicity								
Asian	60.4	49.6	46.6	15.8	26.3	27.3	6.78	6.93
Black	69.2	55.3	52.6	10.4	29.5	30.1	6.54	6.69
Hispanic	72.4	58.3	56.8	9.9	30.6	31.0	6.60	6.70
Native American	73.0	60.6	51.1	9.8	30.0	29.6	6.51	6.11
White	81.8	60.7	58.7	5.6	29.2	29.7	6.81	6.87
Age								
23 years or younger	82.9	54.7	53.0	7.3	24.1	24.8	5.36	5.45
24 to 29 years	75.8	67.5	64.2	7.3	34.4	34.9	7.63	7.73
30 years or older	70.1	66.2	63.5	5.7	36.4	36.7	9.40	9.45
Family income status†								
Lt $11,000	66.8	55.6	52.8	12.9	29.1	29.5	6.48	6.51
$11,000-16,999	77.9	62.7	58.8	7.4	28.7	29.2	6.38	6.51
$17,000-22,999	79.8	63.5	60.6	6.9	29.4	29.9	6.62	6.65
$23,000-29,999	82.3	62.8	61.1	6.4	28.1	28.4	6.39	6.56
$30,000-49,999	85.4	61.4	60.0	5.3	27.6	28.4	6.46	6.49
$50,000 plus	84.6	53.7	52.2	4.3	27.5	28.0	6.81	6.84
Dependency status								
Dependent	82.5	55.1	53.5	7.2	25.1	25.8	5.61	5.72
Independent	72.5	66.8	63.8	6.4	35.0	35.3	8.47	8.51
Dependent student's family income†								
Lt $11,000	74.1	54.8	52.6	11.7	26.0	27.0	5.39	5.59
$11,000-16,999	76.1	54.8	52.3	8.5	24.5	25.2	5.45	5.58
$17,000-22,999	79.3	58.9	55.3	8.3	25.4	26.0	5.48	5.68
$23,000-29,999	83.0	57.4	56.4	7.6	25.3	25.9	5.41	5.48
$30,000-49,999	85.1	57.1	55.9	6.2	25.2	25.9	5.68	5.67
$50,000 plus	86.1	50.4	49.1	5.4	24.5	25.1	5.83	6.06
Independent student's income†								
No income	55.9	52.3	49.6	8.2	32.7	32.7	6.43	6.44
$1-11,000	67.6	56.4	53.2	10.5	28.1	29.1	5.89	6.04
$11,000-16,999	78.3	72.0	69.4	5.9	36.0	35.8	7.73	7.82
$17,000-22,999	78.4	74.9	70.7	4.8	37.6	38.3	8.80	8.90
$23,000-29,999	78.8	74.0	69.7	2.7	38.3	38.1	9.04	9.00
$30,000 plus	76.9	75.5	73.3	3.3	38.1	38.3	11.09	10.97

Table VI.4 -- Percentage of undergraduates working and looking for work, average hours worked, and average hourly wage, by selected student and institutional characteristics: Fall 1986--Continued

	Working			Looking for work	Avg hrs worked		Avg hrly wage	
	Summer 86	Fall 86	Spring 87	Fall 86	Fall 86	Spring 87	Fall 86	Spring 87
Mother's education								
Less than HS	71.1	60.5	56.9	8.3	32.1	32.5	$7.48	$7.50
High school diploma	79.9	63.1	61.2	6.4	29.8	30.2	6.86	6.90
Voc tech/Some pse	81.5	59.9	56.9	9.8	28.6	29.2	6.64	6.71
AA/2 yrs of college	82.2	60.9	59.1	6.3	27.8	28.3	6.39	6.49
BA or BS	83.1	55.5	54.3	4.8	26.6	27.4	6.47	6.54
Advanced degree	83.7	52.0	51.1	3.6	25.3	26.0	6.23	6.43
Father's education								
Less than HS	71.8	60.9	58.2	8.2	32.2	32.6	7.55	7.55
High school diploma	80.3	63.6	61.0	4.6	29.6	30.2	6.84	6.90
Voc tech/Some pse	80.3	60.8	58.7	9.4	29.2	29.6	6.76	6.90
AA/2 yrs of college	83.7	61.8	60.2	4.1	28.7	29.1	6.49	6.50
BA or BS	83.7	54.6	52.2	5.7	26.4	27.0	6.21	6.31
Advanced degree	80.9	50.9	50.4	8.2	24.7	25.3	6.23	6.33
Enrollment level								
First year	74.1	54.1	52.7	8.0	29.8	29.9	6.10	6.11
Second year	81.5	62.2	59.3	6.7	28.8	29.2	6.57	6.61
Third year	83.3	60.2	57.7	5.5	27.3	27.5	6.68	6.73
Fourth year or more	83.4	61.5	59.9	5.8	26.6	28.2	6.87	7.12
Attendance status								
Full-time	77.4	49.5	49.0	8.1	22.7	23.7	5.58	5.67
Part-time	81.2	75.9	71.0	5.0	36.1	36.5	8.09	8.21
Educational objective								
Certificate/award	62.7	54.5	53.9	11.5	32.6	33.4	6.88	6.81
Associate degree	77.8	68.6	65.3	6.2	31.6	32.1	6.68	6.73
Bachelor's degree	83.3	54.9	53.7	5.9	25.5	26.1	6.35	6.47
Other	71.4	61.9	59.0	7.7	33.7	34.5	8.64	8.79
No formal award	78.0	73.9	67.0	5.9	36.9	37.4	8.41	8.45
Undecided	76.2	56.5	53.2	13.0	31.1	30.5	6.69	6.66
Employment status								
Working full-time	95.1	100.0	89.5	1.8	42.9	42.4	8.72	8.87
Working part-time	88.3	100.0	81.7	3.9	21.1	22.6	5.68	5.86
Not employed	60.9	0.0	17.7	12.6	Low-N	25.1	Low-N	5.71
Type of institution								
Public 4-yr PhD	83.2	51.9	51.7	6.5	24.4	25.3	6.16	6.28
Private np 4-yr PhD	84.7	52.3	51.1	5.0	23.9	24.7	7.07	7.22
Public 4-yr no PhD	80.0	56.2	55.3	7.0	26.8	27.1	6.66	6.67
Private np 4-yr no PhD	85.3	53.6	52.3	5.1	26.3	26.8	6.92	6.95
Public 2 year	76.6	70.3	65.8	7.0	33.3	33.8	7.14	7.24
Private np lt 4-yr	74.9	52.5	47.6	7.3	26.8	26.4	6.38	6.26
Private fp lt 4-yr	57.2	49.2	48.7	12.3	29.9	31.5	5.57	5.63
Public less than 2-yr	55.5	45.5	46.2	12.8	32.0	33.7	6.54	6.54

Table VI.4 -- Percentage of undergraduates working and looking for work, average hours worked, and average hourly wage, by selected student and institutional characteristics: Fall 1986--Continued

	Working			Looking for work	Avg hrs worked		Avg hrly wage	
	Summer 86	Fall 86	Spring 87	Fall 86	Fall 86	Spring 87	Fall 86	Spring 87
Institution level								
Less than 2 years	53.2	44.5	45.4	12.7	30.5	32.2	$5.78	$5.83
2-3 years	76.2	69.3	64.8	7.2	33.0	33.5	7.07	7.16
4 years no PhD	82.1	55.3	54.2	6.3	26.7	27.0	6.77	6.79
4 years PhD	83.6	52.0	51.6	6.2	24.3	25.2	6.37	6.49
Insitutional Control								
Public	79.0	61.6	59.2	6.9	29.9	30.3	6.80	6.87
Private, non-profit	84.3	53.0	51.5	5.2	25.4	26.0	6.94	7.00
Private, for-profit	58.0	50.1	49.5	12.1	29.9	31.4	5.67	5.73

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

CHAPTER VII

EDUCATIONAL OBJECTIVES AND COLLEGE CHOICE

Educational Objectives

Slightly more than one-half of the students enrolled in Fall 1986 had a bachelor's degree as their current educational objective (Table VII.1 and Figure VII.1). Twenty-two percent were working toward associate degrees, 9 percent toward certificates, and 6 percent toward some other type of postsecondary credential.[1] 6 percent were not seeking any formal award; and 3 percent were undecided. Males were slightly more likely than females to be seeking a bachelor's degree (57 percent compared to 50 percent).

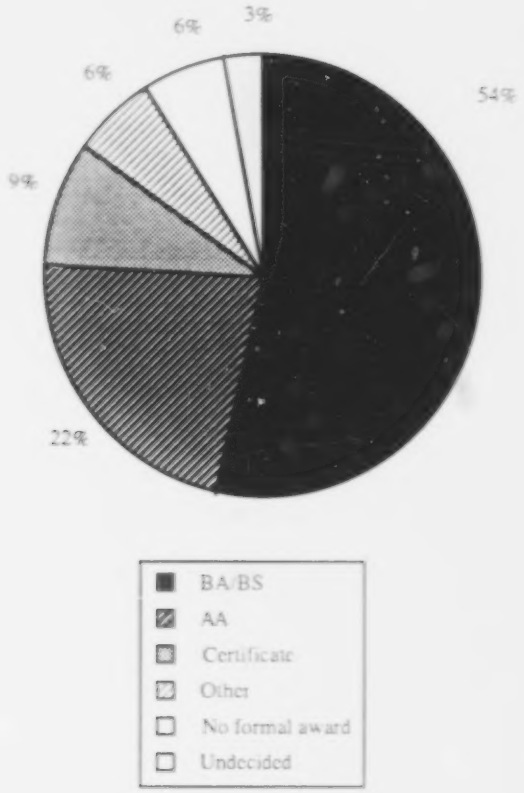
Approximately 55 percent of both Asians and whites had a bachelor's degree as their objective. Smaller percentages of blacks, Hispanics, and Native Americans had this objective (46 percent, 42 percent, and 32 percent, respectively). Among all the racial/ethnic groups, Asians and whites were least likely to be seeking certificates. Only 8 percent had this goal, compared to 14 percent of blacks, 16 percent of Hispanics, and 15 percent of Native Americans.

Almost two-thirds (65 percent) of the students aged 23 years old or younger had a bachelor's degree as their objective, and another 19 percent were working toward an associate degree. On the other hand, older students as a group had more varied objectives. Among the students 30 years old or older, 30 percent were working toward bachelor's degrees, 27 percent toward associate degrees, 15 percent toward certificates, and 11 percent toward some other type of credential. In addition, 13 percent sought no formal award and 3 percent were undecided.

Among the students from families in which the father had not graduated from high school, 37 percent were working toward bachelor's degrees. Another 29 percent were working toward associate degrees, and 15 percent were working toward certificates. In contrast, 70 percent of the students whose fathers had an advanced degree were working toward bachelor's degrees. Only 10 percent of these students were working toward associate degrees, and only 4 percent toward certificates. Mothers' education had a similar relationship to students' current degree objectives: students whose mothers had a higher education had higher objectives than students whose mothers had relatively less education.

[1] Certificates are commonly awarded to students who complete vocational programs at 2-year and less-than-2-year institutions. Other types of postsecondary credentials include program licenses typically offered by vocational schools or technical institutes.

Figure VII.1--Percentage distribution of undergraduates, by educational objective: Fall 1986



SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table VII.1 -- Percentage distribution of undergraduates, by educational objectives and selected student and institutional characteristics: Fall 1986

	Certificate /award	AA degree	BA/BS degree	Other	No formal award	Un-decided
Total	9.3	22.0	53.3	6.4	5.7	3.3
Sex						
Male	7.9	21.2	57.0	6.1	4.9	2.9
Female	10.4	22.6	50.2	6.7	6.4	3.7
Race/ethnicity						
Asian	8.2	18.1	54.5	8.3	6.3	4.5
Black	13.7	26.7	46.2	5.6	4.5	3.3
Hispanic	15.9	23.6	42.1	7.1	7.7	3.6
Native American	14.8	32.0	32.1	7.3	8.0	5.9
White	8.2	21.4	55.3	6.4	5.6	3.2
Age						
23 years or younger	6.6	18.5	65.3	3.6	2.5	3.5
24 to 29 years	11.6	27.5	41.0	10.2	7.0	2.8
30 years or older	14.7	27.1	30.5	11.3	13.3	3.2
Family income status†						
Lt $11,000	14.6	26.8	42.3	6.6	6.6	3.2
$11,000-16,999	13.8	23.9	48.7	6.1	4.5	3.0
$17,000-22,999	8.7	25.6	52.2	4.6	5.7	3.2
$23,000-29,999	7.3	22.4	55.5	6.9	4.5	3.5
$30,000-49,999	5.9	20.5	61.2	5.3	4.3	2.9
$50,000 plus	4.1	14.1	68.8	5.6	4.4	3.1
Dependency status						
Dependent	6.6	19.0	63.2	4.5	3.2	3.6
Independent	14.0	27.1	36.3	9.8	10.0	2.8
Dependent student's family income†						
Lt $11,000	11.9	25.3	50.4	4.9	3.7	3.8
$11,000-16,999	11.1	20.5	57.4	3.6	3.9	3.4
$17,000-22,999	8.5	22.4	55.3	5.8	3.3	4.7
$23,000-29,999	5.6	22.7	59.9	4.6	3.9	3.3
$30,000-49,999	5.6	19.8	64.2	4.3	2.7	3.5
$50,000 plus	3.5	11.4	74.6	4.2	2.9	3.4
Independent student's income†						
No income	17.0	24.2	30.4	11.6	13.9	2.9
$1-11,000	16.2	25.4	43.4	6.7	5.5	2.8
$11,000-16,999	15.2	31.0	34.4	9.4	8.1	2.0
$17,000-22,999	15.1	30.6	32.7	9.7	9.6	2.4
$23,000-29,999	14.8	28.7	34.6	10.1	8.6	3.2
$30,000 plus	8.4	26.3	33.8	12.8	15.4	3.3

Table VII.1 -- Percentage distribution of undergraduates, by educational objectives and selected student and institutional characteristics: Fall 1986--Continued

	Certificate /award	AA degree	BA/BS degree	Other	No formal award	Un-decided
Mother's education						
Less than HS	14.6	27.6	38.6	7.5	8.2	3.5
High school only	9.8	24.6	51.1	6.2	5.5	2.9
Voc tech/lt 2 yrs pse	7.7	21.9	55.2	6.0	4.6	4.4
AA/gt 2 yrs pse	7.2	21.1	57.0	5.5	5.1	4.0
BA or BS	4.1	14.4	68.1	6.0	4.9	2.5
Advanced degree	3.8	10.6	72.6	6.9	3.5	2.6
Father's education						
Less than HS	15.5	29.4	37.1	7.5	7.4	3.1
High school diploma	9.3	24.9	51.3	5.9	5.9	2.7
Voc tech/lt 2 yrs	8.2	23.7	53.4	6.1	5.0	3.7
AA/gt 2 yrs pse	6.1	19.4	60.4	6.6	4.6	3.0
BA or BS	4.6	13.2	68.9	6.0	4.0	3.3
Advanced degree	4.1	10.2	70.5	7.6	4.1	3.6
Mother's occupation						
Managerial	6.2	20.9	60.7	5.3	3.2	3.7
Professional	6.0	14.3	66.2	6.4	4.0	3.1
Mktg/sales	6.2	20.1	59.4	5.5	5.2	3.5
Tech/support	7.3	20.6	59.7	5.2	4.6	2.7
Services	13.3	24.5	47.8	5.9	5.1	3.3
Prec prod/crafts/rep	11.7	29.9	45.1	4.9	5.6	2.8
Oper/fbrctrs/lbrs	9.4	34.1	49.2	4.3	1.9	1.0
Farm/forest/fish	20.9	22.1	37.8	6.9	9.1	3.1
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	10.3	21.6	52.5	7.3	5.8	2.6
Other/unknown	12.6	26.9	40.4	7.6	8.4	4.1
Father's occupation						
Managerial	5.7	16.4	64.2	5.5	5.0	3.3
Professional	4.3	14.6	67.8	6.6	3.7	3.0
Mktg/sales	8.3	20.6	56.5	4.5	5.6	4.5
Tech/support	6.4	16.9	63.3	5.1	5.2	3.2
Services	12.5	23.8	48.6	6.7	4.4	4.1
Prec prod/crafts/rep	11.8	26.6	47.8	6.1	4.7	3.1
Oper/fbrctrs/lbrs	13.0	25.9	48.5	5.3	5.0	2.3
Farm/forest/fish	13.1	19.0	49.1	8.9	7.8	2.2
Military	8.5	30.9	44.7	5.7	6.0	4.1
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	12.5	27.7	40.3	7.9	8.1	3.5

Table VII.1 -- Percentage distribution of undergraduates, by educational objectives and selected student and institutional characteristics: Fall 1986--Continued

	Certificate /award	AA degree	BA/BS degree	Other	No formal award	Un-decided
Attendance status						
Full-time	8.7	17.4	65.2	4.8	1.6	2.5
Part-time	10.3	29.6	33.6	9.3	12.6	4.7
Employment status						
Working full-time	11.1	30.0	33.6	9.4	12.5	3.4
Working part-time	7.0	22.7	58.1	5.2	4.0	3.0
Not employed	10.7	17.1	59.4	5.4	3.7	3.7
Type of institution						
Public 4-yr PhD	1.4	2.1	85.0	7.3	1.7	2.5
Private 4-yr PhD	1.7	2.3	85.7	7.0	1.6	1.7
Public 4-yr no PhD	2.0	5.2	80.9	6.5	2.3	3.1
Priv-np 4-yr no PhD	2.3	6.7	83.0	4.5	1.8	1.8
Public 2-yr	10.9	47.8	18.3	6.1	11.9	5.0
Private-np lt 4-yr	29.1	43.7	14.6	5.0	4.0	3.7
Private-fp lt 4-yr	57.7	26.4	5.2	7.4	2.6	0.7
Public lt 2-yr	68.3	11.6	0.6	10.7	7.5	1.3
Institution level						
Less than 2 years	73.1	11.2	1.4	9.5	4.0	0.8
2 to 3 years	12.2	48.2	17.6	6.0	11.2	4.8
4 years no PhD	2.2	5.9	81.6	5.7	2.1	2.6
4 years PhD	1.5	2.1	85.2	7.3	1.7	2.3
Institutional control						
Public	7.2	25.0	50.5	6.6	6.8	3.8
Private, non-profit	4.0	7.8	79.0	5.5	1.9	1.9
Private, for-profit	57.7	26.4	5.2	7.4	2.6	0.7

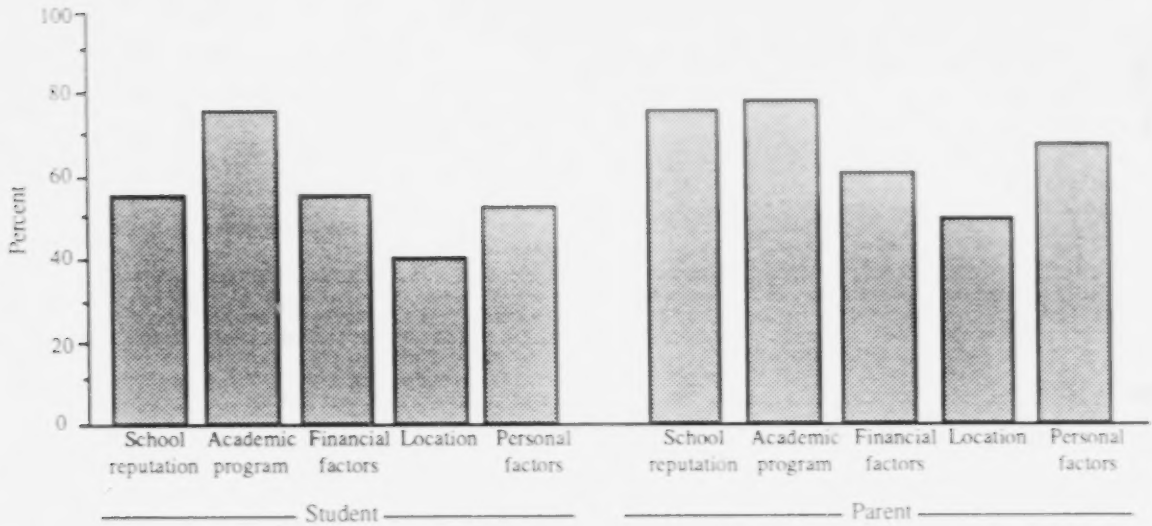
†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

College Choice

Undergraduates enrolled during the fall of 1986 identified several factors as important in selecting a postsecondary institution (Table VII.2 and Figure VII.2). Seventy-five percent of the students indicated that the quality of the academic program was a very important consideration in their choice of institution. Furthermore, responses from parents tended to support the answers given by the students. Seventy-seven percent of the parents indicated that the academic program had been an important factor in their sons' or daughters' choice of institution. Other factors that were considered very important by a majority of undergraduates included the institution's reputation (which 55 percent of the students said was very important); financial considerations (which 52 percent said were very important); and personal considerations (which 52 percent said were very important). In addition, geographic location was a very important factor to 40 percent of the students in selecting their institutions.

Figure VII.2--Percentages of parents and students reporting different factors as important in postsecondary choice: Fall 1986



SOURCE: The 1987 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table VII.2 -- Percentage of students and parents reporting different factors as important in postsecondary choice, by selected student and institutional characteristics: Fall 1986

	Student					Parent†				
	School reputation	Academic program	Financial factors	Location	Personal factors	School reputation	Academic program	Financial factors	Location	Personal factors
Total	55.5	75.3	55.4	39.7	52.2	75.2	77.3	61.0	49.3	66.6
Sex										
Male	54.1	72.9	52.0	34.1	47.4	75.5	76.6	60.4	47.6	67.3
Female	56.6	77.3	58.2	44.2	56.1	74.9	77.8	61.7	50.9	66.0
Race/ethnicity										
Asian	54.2	69.8	57.4	35.5	51.7	73.6	71.5	58.7	50.0	68.6
Black	62.7	80.0	67.3	39.3	55.8	77.1	76.5	70.0	50.4	70.6
Hispanic	57.9	78.4	64.3	42.2	60.0	73.5	73.9	66.8	53.3	76.1
Native American	52.0	82.3	59.9	46.1	56.8	77.0	81.4	67.6	63.9	72.5
White	54.5	74.8	53.0	39.7	51.1	75.2	77.8	59.7	48.7	65.4
Age										
23 years or less	59.7	72.1	57.0	31.2	45.1	79.2	80.2	64.1	50.5	70.0
24 to 29 years	50.4	79.0	58.3	47.2	53.6	61.5	70.5	49.9	50.0	55.0
30 years or older	48.1	81.3	49.0	56.6	70.1	26.3	33.4	25.9	23.3	24.8
Family income status†										
Lt $11,000	57.5	79.0	73.5	45.4	57.9	68.1	69.4	71.4	45.2	64.1
$11,000-16,999	56.1	79.2	68.2	41.7	56.4	74.0	72.4	67.7	56.9	66.5
$17,000-22,999	54.4	77.2	63.6	43.3	52.3	75.1	79.6	67.2	51.3	68.9
$23,000-29,999	54.7	75.7	61.9	40.5	52.8	75.9	80.7	65.8	53.0	71.4
$30,000-49,999	56.2	74.4	54.9	37.3	49.4	80.0	82.4	67.7	53.5	70.9
$50,000 plus	58.6	70.5	37.7	29.9	42.9	80.3	80.4	48.1	44.0	64.8
Dependency status										
Dependent	59.1	72.5	55.9	32.9	47.3	79.6	80.7	63.6	52.0	71.5
Independent	49.4	80.1	54.6	51.1	60.6	51.2	58.9	47.1	34.4	40.0
Dependent student's family income†										
Lt $11,000	61.4	76.9	69.4	36.4	53.3	77.4	78.0	70.1	57.9	77.3
$11,000-16,999	60.9	78.9	72.7	35.9	51.5	83.7	82.2	76.0	54.8	71.8
$17,000-22,999	58.0	72.8	65.1	38.2	50.0	77.6	79.2	70.2	56.8	72.8
$23,000-29,999	58.0	73.4	63.6	36.5	49.4	76.1	80.4	71.6	56.4	75.6
$30,000-49,999	58.1	72.2	55.3	34.0	47.7	81.2	83.1	64.7	53.8	72.6
$50,000 plus	59.5	68.4	37.9	25.3	40.6	79.5	78.7	48.7	42.2	65.2
Independent student's income†										
No income	49.1	76.3	51.1	47.6	56.1	55.4	64.0	61.6	46.4	55.3
$1-11,000	55.5	79.6	71.5	42.9	48.2	64.4	72.3	58.4	35.0	47.0
$11,000-16,999	51.3	79.2	59.4	51.1	58.0	51.6	55.1	55.8	41.3	41.5
$17,000-22,999	44.1	79.8	50.5	56.4	61.3	46.3	60.9	30.4	37.7	32.9
$23,000-29,999	46.2	82.0	48.5	55.9	68.0	29.1	35.9	21.3	23.4	18.5
$30,000 plus	44.9	81.9	38.6	57.9	74.3	33.0	40.7	28.4	26.5	30.1

Table VII.2 -- Percentage of students and parents reporting different factors as important in postsecondary choice, by selected student and institutional characteristics: Fall 1986--Continued

	Student					Parent				
	School reputation	Academic program	Financial factors	Location	Personal factors	School reputation	Academic program	Financial factors	Location	Personal factors
Mother's education										
Less than HS	54.1	78.8	61.0	50.0	63.7	64.6	69.2	59.3	53.3	65.4
HS diploma	54.3	76.9	57.3	42.3	54.0	74.9	79.0	62.0	52.5	68.9
Voc tech/some pse	55.0	74.1	57.8	39.7	53.2	76.6	77.6	61.5	51.1	69.4
AA/2 yrs college	56.8	73.4	55.1	38.1	47.3	74.1	73.5	61.8	49.7	62.9
BA or BS	57.8	72.6	47.2	29.4	41.7	79.4	80.6	60.9	42.1	62.2
Advanced degree	60.0	71.0	46.1	26.5	39.4	81.8	80.3	57.6	45.0	67.1
Father's education										
Less than HS	54.5	78.7	62.5	50.7	63.3	68.0	72.9	55.6	55.1	68.7
HS diploma	56.7	77.0	55.5	41.4	53.8	75.0	77.8	64.0	52.2	68.7
Voc tech/some pse	54.3	76.2	58.6	41.4	53.8	75.3	80.3	63.2	53.5	68.5
AA/2 yrs college	54.8	73.3	54.0	37.2	48.5	80.9	78.2	63.8	49.2	66.8
BA or BS	56.6	71.1	48.3	31.0	42.1	77.8	79.5	59.7	42.4	64.2
Advanced degree	55.8	69.4	47.8	27.6	41.4	80.1	78.3	54.1	39.9	62.1
Attendance status										
Full-time	60.8	74.5	58.7	31.8	45.4	80.9	81.0	63.3	46.4	67.5
Part-time	46.8	76.6	50.0	52.7	63.4	58.6	66.3	54.4	57.5	64.2
Educational objective										
Certificate/award	64.8	85.7	62.3	43.8	65.4	68.9	77.5	57.6	56.8	71.6
Associate degree	50.9	76.6	62.6	50.7	64.4	65.7	74.2	65.4	60.9	73.0
Bachelor's degree	58.9	73.9	54.0	32.1	42.8	80.8	79.9	61.4	45.2	64.9
Other	55.0	80.5	50.6	43.9	56.6	66.6	71.6	50.5	46.2	58.7
No formal award	36.3	73.8	40.7	53.4	63.2	56.9	58.8	52.6	48.2	56.1
Undecided	40.3	55.3	48.4	46.1	57.9	67.2	67.7	57.7	50.3	72.9
Employment status										
Working full-time	46.4	78.8	46.3	52.2	64.4	52.3	60.6	46.8	49.4	56.7
Working part-time	54.8	73.4	60.8	40.2	52.0	76.7	78.1	67.0	57.0	73.5
Not employed	60.9	75.2	55.0	32.8	46.1	80.5	81.2	59.2	41.8	63.2

Table VII.2 -- Percentage of students and parents reporting different factors as important in postsecondary choice, by selected student and institutional characteristics: Fall 1986--Continued

	Student					Parent				
	School reputation	Academic program	Financial factors	Location	Personal factors	School reputation	Academic program	Financial factors	Location	Personal factors
Type of institution										
Public 4-yr PhD	57.3	73.9	54.3	31.4	39.3	80.7	81.4	63.4	46.0	65.0
Priv 4-yr PhD	76.6	75.4	39.3	18.2	36.3	87.1	80.6	45.4	25.1	58.2
Public 4-yr no PhD	47.3	75.0	57.9	39.7	47.3	78.1	80.0	68.1	48.9	63.6
Priv-np 4-yr no PhD	70.8	76.5	42.5	26.2	42.5	84.9	78.4	48.1	33.3	59.4
Public 2-yr	45.8	73.6	59.4	53.5	65.9	61.7	69.0	64.5	65.7	73.7
Private-np lt 4-yr	73.0	79.6	51.6	29.7	51.9	77.8	80.3	56.1	40.9	69.4
Private-fp lt 2-yr	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Public lt 2-yr	69.3	90.7	69.9	44.6	64.3	64.2	83.6	60.4	62.8	73.1
Institution level										
Less than 2 years	72.5	87.2	71.0	38.1	64.4	69.7	82.2	61.0	53.3	74.1
2 to 3 years	48.0	74.5	59.2	51.6	65.1	63.2	70.6	63.8	63.4	73.4
4 years no PhD	57.0	75.7	51.7	34.1	45.4	80.9	79.3	59.9	42.6	61.8
4 years PhD	61.7	74.2	50.9	28.4	38.6	82.1	81.2	59.4	41.3	63.5
Insitutional control										
Public	49.9	74.2	57.7	44.0	54.2	72.5	76.3	64.8	54.6	68.2
Private, non-profit	73.1	76.3	42.0	23.5	40.9	85.2	79.4	47.6	30.7	59.6
Private, for-profit	75.4	87.5	67.5	32.1	61.3	74.3	83.9	59.3	46.2	71.8

[1]See the glossary in Appendix A for a description of income data and parents included in the sample.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File and the 1987 National Postsecondary Student Aid Study Parent Survey Supplement Data File, CS 89-312m.

Appendix A

GLOSSARY

This glossary describes the variables used in this report. The source for each variable is indicated in the heading. For NPSAS variables, if the variable was used exactly as reported, the data collection instrument and question number are identified in the heading as well. Variables from the Student Questionnaire are denoted by an "S," variables from the Parent Questionnaire by a "P," and variables from the Updated Student Record by an "R."

Some variables were derived by NCES or MPR Associates either using information from several sources or developing categories based on the original data. These variables are labeled "NCES-derived" or "MPR-derived." A brief description of how they were derived is included in the description of the variable. More detailed explanations of NCES-derived variables can be found in the *National Postsecondary Student Aid Study Updated Record and Student Questionnaire (1987) Data File User's Manual* (Longitudinal Studies Branch, Postsecondary Education Statistics Division, Washington, D.C.: National Center for Education Statistics, U.S. Department of Education, March 1989).

Variables from High School and Beyond are denoted "HS&B." Additional information on these variables can be found in the *High School and Beyond 1980 Sophomore Cohort Third Follow-Up (1986) Data File User's Manual* (P. Sebring et al., Chicago: National Opinion Research Center, October 1987) or in the source noted in the description.

The row variables are described first, presented in the following order:

- Student demographic characteristics (sex, race/ethnicity, age),
- Student socioeconomic characteristics (income, parents' education and occupations),
- Student educational characteristics and employment status (attendance status, educational objective, enrollment level, educational attainment, employment status),
- Institutional characteristics (level, control, type, geographic region).

Many of the column variables are row variables as well. Descriptions of column variables that do not also appear as row variables are organized by chapter and, within chapter, in the order they appear in the tables.

ROW VARIABLES

Student Demographic Characteristics

Sex (NPSAS, NCES-derived)

For students who reported their sex on the Student Questionnaire, NCES used the information from the Student Questionnaire (S75). Otherwise, the sex reported on School Record (R12) was used.

Race/ethnicity (NPSAS, NCES-derived)

For students who reported their race/ethnicity on the Student Questionnaire, NCES used the information from the student questionnaire (S76 and S77). Otherwise, the race/ethnicity reported on School Record (R14) was used.

Asian	Asian or Pacific Islander
Black	Black, not of Hispanic origin
Hispanic	Hispanic (Mexican American, Puerto Rican, Cuban, or other Hispanic)
Native American	Native American or Native Alaskan
White	White, not of Hispanic origin

Age (NPSAS, NCES- and MPR-derived)

NCES computed each student's age from the date of birth. For students who reported their date of birth on the Student Questionnaire (S74), NCES used that to compute the student's age. Otherwise, the date of birth reported on School Record (R13) was used. MPR Associates grouped the students into three categories:

23 years old or younger	Student was 23 years old or younger as of 12/31/86.
24 to 29 years old	Student was between 24 and 29 years old as of 12/31/86.
30 years old or older	Student was 30 years old or older as of 12/31/86.

Student Socioeconomic Characteristics

Student's earnings (NPSAS, MPR-derived)

MPR Associates grouped students into six categories based on the amount they reported earning from work, prior to withholdings, in 1986 (S87A):

No income	Student reported no earned income.
Less than $11,000	Student reported total earnings of less than $10,000.
$11,000 to $16,999	Student reported total earnings of between $10,000 and $16,999.
$17,000 to $22,999	Student reported total earnings of between $17,000 and $22,999 in 1986.
$23,000 to $29,999	Student reported total earnings of between $23,000 and $29,999 in 1986.
$30,000 or more	Student reported total earnings of $30,000 or more in 1986.

Family income status (NPSAS, S96)

Lt $11,000	Student estimated parents' total annual income to be $10,999 or less.
$11,000-16,999	Student estimated parents' total annual income to be between $11,000 and $16,999.
$17,000-22,999	Student estimated parents' total annual income to be between $17,000 and $22,999.
$23,000-29,999	Student estimated parents' total annual income to be between $23,000 and $29,999.
$30,000-49,999	Student estimated parents' total annual income to be between $30,000 and $49,999.
$50,000 plus	Student estimated parents' total annual income to be $50,000 or more.

Dependency status (NPSAS, NCES-derived)

For students with financial aid records, NCES used dependency status as reported by the financial aid office on the Student Record (R25). For students who did not have financial aid records, NCES determined their dependency status based on information provided on the Student Questionnaire about how long they lived with their parents in 1985 and 1986 (S88A,B), whether their parents provided more than $750 in support (S88C), and whether their parents claimed them as a tax exemption on their Federal income tax return (S88D).

Dependent	Student was considered financially dependent if, in 1985 or 1986, he/she lived with a parent for six or more weeks, received $750 or more dollars from his/her parents, or was claimed as a tax exemption on their parents' Federal income tax return.
Independent	Student was considered financially independent if he/she did meet any of the conditions established for defining dependent students.

Dependent student's family income (NPSAS, NCES- and MPR-derived)

For dependent students with financial aid records, NCES used parents' total income—IRS adjusted gross income plus total untaxed income—as reported by the financial aid office on the Student Record (R30E and R30L). For dependent students who did not have financial aid records but whose parents were included in the Parent Questionnaire, income was taken from the Parent Questionnaire (P24, P28A, and P28B). For all other dependent students, family income was imputed. MPR Associates grouped students into six categories:

Lt $11,000	Family income was below $11,000.
$11,000-16,999	Family income was between $11,000 and 16,999.
$17,000-22,999	Family income was between $17,000 and 22,999.
$23,000-29,999	Family income was between $23,000 and 29,999.

$30,000-49,999	Family income was between $30,000 and 49,999.
$50,000 plus	Family income was $50,000 or more.

Independent student's income (NPSAS, NCES- and MPR-derived)

For independent students with financial aid records, NCES used student's and spouse's IRS adjusted gross income plus total untaxed income as reported by the financial aid office on the Student Record (R31D and R31J). For students without financial aid records, income was taken from the Student Questionnaire (S94A and S95). For independent students missing income information on the Student Questionnaire, income was imputed. MPR Associates grouped students into six categories:

Lt $11,000	Income for student and spouse was below $11,000.
$11,000-16,999	Income for student and spouse was between $11,000 and $16,999.
$17,000-22,999	Income for student and spouse was between $17,000 and $22,999.
$23,000-29,999	Income for student and spouse was between $23,000 and $29,999.
$30,000-49,999	Income for student and spouse was between $30,000 and $49,999.
$50,000 plus	Income for student and spouse was $50,000 or more.

Father's education (NPSAS, MPR-derived)

Students were asked to which of 12 education levels was the highest their father/male guardian completed (S99). MPR Associates created 6 categories to describe highest education level:

Less than HS	Father did not receive a high school diploma or equivalent.
High school only	Father received a high school diploma or equivalent but did not enroll in any form of postsecondary education.
Voc tech/lt 2yrs pse	Father's highest level of education was either a vocational certificate or license or less than two years of postsecondary education.
AA/gt 2yrs pse	Father's highest level of education was two or more years of college (including a 2-year degree, but not a 4- or 5-year degree).
BA or BS	Father's highest level of education was a 4- or 5-year degree.
Advanced degree	Father's highest level of education was a graduate or professional degree (e.g., a Master's degree, PhD, MD, LLB.)

Father's occupation (NPSAS, NCES- and MPR-derived)

NCES coded father's occupation based on the student's description of the parent's kind of job or occupation on the Student Questionnaire (S97). All information was coded using the

Department of Labor's standard occupational classification (SOC) scheme. MPR Associates grouped the occupations into the following categories:

Managerial	Administrative, executive, and managerial occupations.
Professional	Engineers, surveyors, architects, natural scientists, mathematicians, computer scientists, social scientists, urban planners, social workers, recreation workers, religious workers, lawyers, judges, teachers (all levels), vocational and education counselors, librarians, archivists, curators, physicians, dentists, veterinarian, registered nurses, other health diagnosing professions, writers, artists, entertainers, and athletes.
Marketing/sales	All marketing and sales occupations.
Technical/support	Health, engineering, and science technologists and technicians. Also includes administrative support occupations, including clerical.
Services	Service occupations.
Crafts	Precision production and construction and extractive occupations, as well as mechanics and repairers.
Manufacturing	Handlers, equipment cleaners, helpers, laborers, motor vehicle operators, and transportation and material moving occupations.
Agriculture	Agricultural, forestry, and fishing occupations.
Military	Military.
Homemaker	Homemaker.
Other/unknown	Miscellaneous occupations plus not in labor force, retired, unemployed, disabled, or otherwise not classifiable.

Student Educational Characteristics

Attendance status (NPSAS, R22)

Full-time	Student was enrolled full-time according to the institution's definition of full-time enrollment.
Part-time	Student was enrolled part-time according to the institution's definition of part-time enrollment.

Educational objective (NPSAS, S4)

Certificate or award	Student indicated that his/her fall courses were leading to a certificate or award.
Associate's degree	Student indicated that his/her fall courses were leading to a 2-year degree.

Bachelor's degree	Students indicated that their fall courses were leading to a 4-year degree.
No formal award	Student indicated that his/her fall courses were not leading to a degree, certificate, or other formal award.
Undecided	Student was undecided.

Enrollment level (NPSAS, MPR-derived)

Students reported their level in school in fall 1986 (S3). MPR Associates combined fourth- and fifth-year undergraduates into one category.

First year	Student's level was freshman or first year.
Second year	Student's level was sophomore or second year.
Third year	Student's level was junior or third year.
Fourth year or more	Student's level was senior or fourth year or fifth year or more, undergraduate.

Employment status (NPSAS, MPR-derived)

Based on information reported on the Student Questionnaire (S17, S18, S20, and S22) on whether or not the student worked and whether or not he/she was a teaching or research assistant, MPR Associates grouped students into three categories:

Working full-time	Student reported working forty or more hours at one or more jobs (other than as a research or teaching assistant) in fall 1986.
Working part-time	Student reported working less than forty hours at one or more jobs, (other than as a research or teaching assistant) in fall 1986.
Not employed	Student did not report work at any job (other than as a research or teaching assistant) in fall 1986.

Institutional Characteristics

Institution level (NPSAS, R-VTYPE)

Less-than-2-year	Institution where all of the programs are less than two years long. The institution must offer a minimum of one program of at least three months in duration that results in a terminal certificate or award or is creditable toward a formal 2-year or higher award.
2-year	Institution that confers at least a 2-year formal award (certificate or associate degree) or offers a two-year program that partially fulfills requirements for a baccalaureate or higher degree at a four-year institution. The institution cannot award a baccalaureate degree.

4-year not PhD granting	Institution that confers at least a baccalaureate degree, but cannot award higher than a master's degree.
4-year PhD	Institution that confers at least a doctoral or first professional degree in one or more programs.

Institution control (NPSAS, R-VCRTL)

Public	Institution supported primarily through public funds and operated by publicly elected or appointed officials.
Private, not-for-profit	Institution privately operated and controlled. Primarily supported by revenues from sources other than municipal, state, or federal governments.
Private, for-profit	Institution privately operated and controlled, with profits that are subject to taxation.

Type of institution (NPSAS, R-VTYPE and VCRTL)

Public 4-yr PhD	Public 4-year institution offering doctoral degrees.
Private-np 4-yr PhD	Private not-for-profit 4-year institution offering doctoral degrees.
Public 4-yr no PhD	Public 4-year institution not offering doctoral degrees.
Priv-np 4-yr no PhD	Private not-for-profit 4-year institution offering doctoral degrees.
Public 2-yr	Public 2- to 3-year institution.
Private-np lt 4-yr	Private not-for-profit 2- to 3-year or less than 2-year institution.
Private-fp lt 4-yr	Private for-profit 2- to 3-year or less than 2-year institution.
Public lt 2-yr	Public less-than-2-year institution.

Geographic region (NPSAS, R-RLOCALST)

Northeast	Institution located in Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, or Pennsylvania
Midwest	Institution located in Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, or Kansas
South	Institution located in Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, or Texas.

West	Institution located in Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, California, Alaska, or Hawaii.

COLUMN VARIABLES THAT DO NOT APPEAR AS ROW VARIABLES

Chapter III. Demographic and Socioeconomic Characteristics

Marital status (NPSAS, NCES- and MPR-derived)

On the Student Questionnaire (S78), students reported whether they were single, never married; married; separated; divorced; or widowed. Using these responses, NCES categorized students as married, separated, or not married. If marital status was missing and the student had a financial aid record, the Student Record (R24) was used to determine if the student was married, separated, or unmarried. MPR Associates combined the not married categories into one and labeled it "single."

Single	Marital status was single, divorced, widowed, or separated.
Married	Marital status was married.

Dependent children (NPSAS, MPR-derived)

Using the number of children reported on the Student Questionnaire (S79), MPR Associates determined whether the student had one, two or more, or no dependent children.

No dep. children	Student reported having no dependent children.
One dependent child	Student reported having one dependent child.
Two+ dep. children	Student reported having two or more dependent children.

Citizenship status (NPSAS, R15)

Citizen	Student was a U.S. citizen.
Resident alien	Student was a non-U.S. citizen who had been granted permanent residence in the U.S.
Non-resident alien	Student was a non-U.S. citizen who had been granted temporary residence in the U.S. (e.g. on a student visa).

Veteran status (NPSAS, S81)

Veteran	Student was a veteran of the U.S. Armed Forces.
Not a veteran	Student was not a veteran of the U.S. Armed Forces.

Chapter IV. Academic Preparation

High school diploma status (NPSAS, NCES-derived)

Where possible, the type of high school diploma a student received was determined from the Student Questionnaire (S83A). Where this information was missing, the type was determined from the School Record (R9) if possible.

High school diploma	Student received a high school diploma.
Certificate of completion	Student received a certificate of completion (high school equivalency certificate).
GED	Student received a General Equivalency Diploma.
Did not complete	Student did not receive a high school diploma or some equivalent.

High school course-taking patterns (HS&B, NCES-derived)

Students were classified as concentrators, limited concentrators, or limited participants in an academic area based on the number and types of courses they took. [1]

Mathematics	Concentrators earned four or more credits in mathematics, at least one of which was from such advanced courses as analytic geometry, pure mathematics, solid geometry, analysis, calculus, mathematics 3, or statistics and probability. Four-Year College Bound earned four or more credits in mathematics, one of which was earned in algebra 1, 2, or 3; geometry; plane or solid geometry; trigonometry; or mathematics 1 or 2. General math earned one to two credits in math with less than two in college preparatory courses. Limited or non-participants earned less than one credit in math. This variable was obtained from the High School Transcript File.
Science	Concentrators earned one or more credits in each of the following: biology, chemistry, and physics in addition to any credits earned in general science courses. Four-year college bound earned one or more credits in an advanced physical science or an advanced life science in addition to any credits earned in general life or physical sciences. General science earned one or more credits in general life science or general physical science and less than one credit in advanced science offerings. Limited or non-participants earned less than one credit in science. This variable was obtained from the High School Transcript File.
Fine arts	Concentrators earned more than three credits in fine arts. General participants earned one or more but less than three credits in fine arts. Limited or non-participants earned no credits in fine arts.

[1]More information on these categories can be found in Phillip Kaufman, *High School and Postsecondary Course-Taking Patterns*, forthcoming Contractor Report, NCES.

Computer science	Only a small percentage of students earned any credits in computer science. Concentrators earned credits (any number) in computer science. Non-participants earned no credits.
Humanities	Concentrators earned two or more credits in humanities over and above four credits in English, two credits in foreign language, and three credits in social studies (the New Basics recommended by the National Commission on Excellence in Education for high school graduation). Limited concentrators exceeded the New Basics by one but less than two courses. Limited participants earned less than or equal to the New Basics.
Vocational	Concentrators earned four or more credits in a single vocational education program, or earned four or more credits each in multiple instructional programs (e.g. business, marketing). Limited concentrators earned four or more credits in vocational education but less than four in a single instructional program. Samplers earned from a fraction of a credit to four credits in vocational education. Non-participants earned no credits in vocational education. This variable was obtained from the High School Transcript File.

Students accepted by first, second, and third choices (NPSAS, S16)

1st choice	Student was accepted at first choice of institutions applied to.
2nd choice	Student was accepted at second choice of institutions applied to.
3rd choice	Student was accepted at third choice of institutions applied to.

Chapter V. Enrollment Characteristics

Housing arrangement (NPSAS, NCES-derived)

For students who reported where they resided, NCES used the information from the Student Questionnaire (S10). Otherwise, the housing status reported on the Student Record (R17) was used.

Institution-owned dormitory). housing	Student lived in some type of institution owned housing (e.g. a
Off campus with parents	Student lived at home with parents.
Off campus not with parents	Student lived off campus in non-institution owned housing but not with his/her parents.

Field of study (NPSAS, NCES- and MPR-derived)

NCES coded majors reported on the Student Record (R21F) by two-digit Classification of Instructional Programs (CIP) code. For students whose majors were missing or uncodable on the Student Record, the information provided on the Student Questionnaire (S43 or S37) was coded if possible. To reduce the number of categories, MPR Associates recoded the majors by combining CIP codes as follows:

Agriculture	Agribusiness and agricultural production; agricultural sciences; renewable natural resources.
Business/marketing	Business and management; business (administrative support); marketing and distribution; legal assisting.
Health	Allied health; health sciences and nursing.
Occup. home ec.	Consumer, personal, and miscellaneous services; home economics; vocational home economics.
Trades and industry	Construction trades; mechanics and repairers; precision production; transportation.
Tech. engineering	Computer sciences; engineering; engineering and related technologies; science technologies; architecture and environmental design.
Educ./public service	Education, library and archival sciences; military sciences; parks and recreation; protective services.
Communications	Communications technologies; communications.
Letters & languages	Foreign languages; letters.
Humanities	Philosophy and religion; theology; area and ethnic studies.
Science and math	Life sciences; mathematics; physical sciences.
Social science	Psychology; public affairs; social sciences.
Fine arts	Visual and performing arts.
General studies	Liberal/general studies; basic skills.

Remediation during the first year of enrollment (NPSAS, S86A through E)

Any remedial	Student indicated that he/she took one or more hours of remedial instruction in any area.
Writing	Student indicated that he/she took one or more hours of remedial instruction to improve basic writing skills.
Reading	Student indicated that he/she took one or more hours of remedial instruction to improve basic reading skills.

Math	Student indicated that he/she took one or more hours of remedial instruction to improve basic math skills.
Study skills	Student indicated that he/she took one or more hours of remedial instruction to improve study skills.
Other	Student indicated that he/she took one or more hours of remedial instruction in an area not listed above.

Chapter VI. Overview of Sources of Support

Contribution from self or spouse (NPSAS, NCES-derived)

A student was considered to have a made a contribution if either he/she (S54) or his/her spouse (S55) contributed towards paying school-related expenses.

Contribution from parents, other relatives, or friends (NPSAS, NCES-derived)

The parent contribution variable indicates whether or not the student received any support from his/her parents, other relatives, or friends to meet school-related expenses. In constructing this variable, several types of support were considered: direct contributions from parents/guardians (S56); automobile costs, room and board, transportation, the use of charge cards, and other forms of indirect support from parents (S58); loans from parents (S59); contributions from other relatives or friends (S60); and loans from other relatives or friends (S61). If any of these variables had a non-zero value, then the student was considered to have received parental contributions.

Received any financial aid (NPSAS, NCES-derived)

Two variables were used to describe the receipt of student financial aid. The first variable, ANY_AID, indicates whether or not the student received aid, while the second variable, AID_AMT, gives the amount of financial aid received. The two variables rely primarily on Student Record data (R35A1 through R35D8), using Student Questionnaire data to substitute for missing record information when necessary (S63, S18, S19, S49, S50, S66, S65, and S64).

Received federal financial aid (NPSAS, NCES-derived)

Several sources of data were used to determine whether students received federal financial aid (FED_AID). First, the following variables were added together to determine the amount of federal aid awarded: R35A1 through R35A16D, R35B2, and R35B3A through R35B3E. Student Questionnaire information was substituted (S65A1, S65B1, S65B2, S65C2A, S65C4, and S65C5 (if S65C_cd = 19)) when School Record information was missing or incomplete. If the sum of these variables was a non-zero value, then the student was considered to have received aid.

Received financial aid grants (NPSAS, NCES-derived)

The two variables GRAN_AID and GRAN_AMT were developed in the same manner described for the variables that indicate receipt of any aid. The following student record variables were used to determine grant aid: R35A1, R35A2, R35A8, R35A10, R35A12A, R35A12B, R35A13A, R35A13B, R35A13D, R35A14A, R35A14B, R35A15A, R35A15B, R35A16A, R35A16B, R35B1 through R35B4, R35B7A, R35C1, R35C2, R35C5, R35C11A, and R35D1 through R35D8. In cases where School Record information was missing, Student Questionnaire information was used (S65A1 through S65A4, S65C2 through S65C4, and S65ATOTL).

Received financial aid loans (NPSAS, NCES-derived)

The two variables LOAN_AID and LOAN_AMT were developed in the same manner described for the variables that indicate receipt of any aid. The following Student Record variables were used to determine loan aid: R35A3, R35A5, R35A6, R35A7, R35A9A, R35A9B, R35A9C, R35A11, R35A12DB, R35A13E, R35A14D, R35A15D, R35A16D, R35B6, R35B7B, R35C7, R35C8, and R35C11B. In cases where Student Record information was missing, Student Questionnaire information was used (S65B1 through S65B51, and S65BTOTL).

Chapter VII. Educational Objectives and College Choice

Importance of factors in postsecondary choice (NPSAS, MPR-derived)

Students were given a list of 13 factors that might have affected their choice of postsecondary institution and asked to indicate whether the factor was very important, somewhat important, or not important (S13). Parents were given the same list of 13 factors and asked to indicate which were factors in the student's decision (P40). From this list of 13 factors, MPR Associates developed five categories:

Institution reputation	Student indicated that institution reputation was very important in the decision to enter the institution attended in fall 1986. Parent indicated that institution reputation was a factor.
Academic program	Student indicated that the fact that the institution offered the course of study the student wanted or that the institution had a good reputation for placing its graduates was very important. Parent indicated that the fact that the institution offered the course of study the student wanted or that the institution had a good reputation for placing its graduates was a factor.
Finances	Student indicated that one or more of the following factors was very important: 1) he/she had a better chance to get a job at the institution, 2) tuition and other direct school expenses were less at the institution than at other institutions, 3) living costs at the institution were less than at other institutions, 4) he/she could work while attending school, or 5) he/she obtained the financial aid needed.

Parent indicated that one or more of the following were factors: 1) the student had a better chance to get a job at the institution, 2) tuition and other direct school expenses were less at the institution than at other institutions, or 3) living costs at the institution were less than at other institutions, 4) the student could work while attending school, or 5) that the student obtained the financial aid needed.

Location

Student indicated that the fact that the institution was close to home, that the institution was far away from home, or that the student could live at home was very important.

Parent indicated that the fact that the institution was close to home, that the institution was far away from home, or that the student could live at home was a factor.

Personal

Student indicated that the fact that his/her parents/guardians wanted him/her to attend the institution or that his/her friends attended the institution was very important.

Parent indicated that the fact that the he/she or his/her spouse wanted the student to attend the institution or that the student's friends attended the institution was a factor.

APPENDIX B

TECHNICAL NOTES AND METHODOLOGY

The 1986-87 NPSAS Survey

The need for a nationally representative data base on postsecondary student financial aid prompted the U.S. Department of Education to conduct the 1986-87 National Postsecondary Student Aid Study (NPSAS). To meet these data needs the NPSAS sample was designed to include students enrolled in all types of postsecondary education. Thus, it included students enrolled in public institutions; private, nonprofit institutions; and private, for-profit institutions. The sample included students at 4-year and 2-year institutions, as well as students enrolled in occupationally specific programs that lasted for less than two years.

The original sample for the 1986-87 NPSAS data collection consisted of 1,353 postsecondary institutions stratified according to the highest course offering level (i.e., 4-year Ph.D.-granting, 4-year non-Ph.D.-granting, 2-year, or less-than-2-year) and institutional control (i.e., public, private nonprofit, or private for-profit). The final institutional sample was reduced to 1,074 after some institutions were found to be ineligible and others refused to participate. The institutional response rate, weighted by the probability of selection and enrollment, was about 95 percent.

A stratified sample of close to 60,000 students was then drawn from the October 1986 records of the institutions in the institutional sample. For each student in the sample, efforts were made to collect registration and financial aid records from the institution. All student record information collected in the fall semester was later updated during the spring of 1987. This information was supplemented by mail and telephone survey information collected directly from students during the Spring of 1987. In total, the 1986-87 NPSAS record and student questionnaire file contains information on 43,176 students (34,544 undergraduates and 8,632 other). The overall response rate for students was 67 percent.

A Parent Questionnaire was mailed to the parents or guardians of a subsample of students chosen for participation in the 1986-87 NPSAS data collection. The purpose of this survey was to obtain detailed information on the family and economic characteristics of dependent students who did not receive financial aid. In keeping with this purpose, parents of financially independent students who were over 25 years of age were omitted from the sample. The overall response rate for this questionnaire was about 58 percent.

Readers should note that the NPSAS survey is not representative of all students enrolled during the 1986-87 academic year. Rather the survey sample represents all postsecondary students enrolled on October 15, 1986.

For more information on the NPSAS survey, consult *National Postsecondary Student Aid Study Updated Record and Student Questionnaire (1987) Data File User's Manual* (Longitudinal Studies Branch, Postsecondary Education Statistics Division, Washington, D.C.: National Center for Education Statistics, U.S. Department of Education, March 1989) and the *National Postsecondary Student Aid Study Parent Survey Supplement Data File, Data File User's Manual* (Westat, Inc., Washington, D.C., a contractor report prepared for the National Center for Education Statistics, U.S. Department of Education, August, 1988). More information on the estimates presented from other data sets (e.g. High School and Beyond) can be obtained by consulting the reference cited on the table.

Unless otherwise indicated, the estimates from the National Postsecondary Student Aid Study, 1987 (NPSAS-87) were based on the entire sample of students who were undergraduates in the fall of 1986. With the exception of Table VII.3, all estimates from the NPSAS-87 data file were calculated using the student weight (VST_FWGT). For Table VII.3, the final five columns report the responses from parents taken from the NPSAS-87 parents file. Accordingly, these estimates were calculated using the parent weight, VPAR_WGT.

Based on the level of coursework offered (i.e., 4-year Ph.D.-granting, 4-year non-Ph.D.-granting, 2-year, or less-than-2-year) and type of institutional control (i.e., public, private nonprofit, or private for-profit), postsecondary institutions can be divided into twelve groups. Since the proportional enrollments in certain types of institutions were quite small, some categories were collapsed while others were omitted. In total, eight institutional types are used in this tabulation: 1) public 4-year Ph.D.-granting, 2) public 4-year non-Ph.D.-granting, 3) public 2- to 3-year, 4) public less-than-2-year, 5) private nonprofit 4-year Ph.D.-granting, 6) private nonprofit 4-year non-Ph.D.-granting, 7) private nonprofit less-than-4-year (incorporating 2-year and less than 2-year), and 8) private, for-profit less-than-4-year (incorporating 2-year and less-than-2-year). Private, for-profit 4-year institutions (Ph.D.- granting and non-Ph.D.-granting), which account for less than 1 percent of total undergraduate enrollment, were omitted from the estimates for different types of institutions.

Tables C.V.1 through C.V.4 in Appendix C show the enrollment characteristics of students enrolled in each of the eight institution types described above. Thus, the percentages presented in these tables are based only on undergraduates enrolled from the type of institutions listed in the appropriate column header. For example, the percentage of students who were full- or part-time shown in Table C.V.1 in columns one and two are based only on students enrolled at private, nonprofit 4-year Ph.D.-granting institutions.

Tables C.V.5 through C.V.7 are based on subsamples of undergraduates chosen according to the type of postsecondary degree the students stated they were working toward at the time of the survey. Table C.V.5 only includes students who indicated that their degree objective was a postsecondary certificate. Similarly, Tables C.V.6 and C.V.7 show the major concentrations for students pursuing associate and bachelor's degrees, respectively.

Data on the proportions of students with various sources of support and the average aid awards shown in Tables C.VI.1 through C.VI.18 are based on the student population indicated in the table titles. These tables also provide separate estimates for students who were financially dependent and independent. The information presented on sources of support for undergraduates is based on financial aid composites developed by the National Center for Education Statistics.

Accuracy of Estimates

The statistics in this report are estimates derived from a sample. Two broad categories of error occur in such estimates: sampling and nonsampling errors. Sampling errors happen because observations are made only on samples of students, not on entire populations. Nonsampling errors happen not only in sample surveys but also in complete censuses of entire populations.

Nonsampling errors can be attributed to a number of sources: inability to obtain complete information about all students in all institutions in the sample (some students or institutions refused to participate, or students participated but answered only certain items); ambiguous definitions; differences in interpreting questions; inability or unwillingness to give correct information; mistakes in recording or coding data; and other errors of collecting, processing, sampling, and estimating missing data.

The accuracy of a survey result is determined by the effect of sampling and nonsampling errors. In surveys with sample sizes as large as those in the NPSAS-87 study, sampling errors generally are not the primary concern, except where separate estimates are made for relatively small subpopulations such as Asian-Americans or Native Americans. In this report, small sample sizes were not usually a problem. Table B-1 shows the weighted totals for each of the row variables.

Table B.1 -- Weighted Ns for row variables

Row variable	Weighted N (1000s)
Total	11,185
Sex	
Male	5,018
Female	6,174
Race/ethnicity	
Asian	572
Black	1,047
Hispanic	759
Native American	107
White	8,700
Age	
23 years or younger	6,754
24 to 29 years	1,880
30 years or older	2,549
Student's earnings	
No income	1,536
Less than $11,000	6,755
$11,000 to $16,999	903
$17,000 to $22,999	650
$23,000 to $29,000	409
$30,000 or more	346
Family income status	
Less than $11,000	1,155
$11,000 to $16,999	891
$17,000 to $22,999	996
$23,000 to $29,000	1,175
$30,000 to $49,999	2,286
$50,000 plus	1,977
Dependency status	
Dependent	7,048
Independent	4,138
Dependent student's family income	
Less than $11,000	866
$11,000 to $16,999	553
$17,000 to $22,999	695
$23,000 to $29,000	827
$30,000 to $49,999	2,299
$50,000 plus	1,806

Table B.1 -- Weighted Ns for row variables--Continued

Row variable	Weighted N (1000s)
Independent student's income	
No income	420
Less than $11,000	1,212
$11,000 to $16,999	525
$17,000 to $22,999	446
$23,000 to $29,000	470
$30,000 plus	1,054
Father's education	
Less than HS	1,747
High school only	3,455
Voc. tech/lt 2 yrs. postsec.	1,636
AA/gt 2 yrs. postsec.	853
BA or BS	1,593
Advanced degree	1,077
Father's occupation	
Managerial	1,979
Professional	1,627
Marketing/sales	743
Technical/support	773
Services	421
Crafts	1,612
Manufacturing	528
Agriculture	306
Military	123
Homemaker	low-n
Other/unknown	3,072
Attendance status	
Full-time	6,960
Part-time	4,226
Educational objective	
Certificate or award	1,030
Associate's degree	2,437
Bachelor's degree	5,908
No formal award	633
Undecided	367
Enrollment level	
First year	3,804
Second year	2,892
Third year	1,796
Fourth year or more	1,831

Table B.1 -- Weighted Ns for row variables--Continued

Row variable	Weighted N (1000s)
Employment status	
Working full-time	2,400
Working part-time	4,249
No employed	4,394
Institution level	
Less-than-2-year	524
2-year	4,513
4-year not PhD granting	2,828
4-year PhD granting	3,320
Institution control	
Public	8,558
Private, not-for-profit	2,026
Private, for profit	602
Type of institution	
Public 4-yr. PhD	2,565
Private-np 4-yr. PhD	756
Public 4-yr. no PhD	1,684
Private-np 4-yr. no PhD	1,120
Public 2 yr.	4,180
Private-np lt 4-yr.	150
Private-fp lt 4-yr.	577
Public lt 2-yr.	129
Geographic region	
Northeast	1,795
Midwest	2,091
South	2,891
West	2,713

Statistical Procedures

The descriptive comparisons in this report were based on **Student's t** statistics. Comparisons based on the estimates of the proportions includes the estimates of the probability of a Type I error, or significance level. The significance levels were determined by calculating the **Student's t** values for the differences between each pair of means or proportions and comparing these to published tables of significance levels for two-tailed hypothesis testing.

The 1986-87 NPSAS survey, while representative and statistically accurate, was not a simple random sample. Instead, the survey sample was selected using a more complex three step procedure with stratified samples and differential probabilities of selection at each level. First, postsecondary institutions were initially selected within geographical strata. Once institutions were organized by zip code and state, they were further stratified by control (i.e., public, private, nonprofit, or private, for-profit) and offering (less-than-2-year, 2-year, 4-year non-Ph.D.-granting, and 4-year Ph.D.-granting). Sampling rates for students enrolled at different institutions and levels (undergraduate or other) varied, resulting in better data for policy purposes, but at a cost to statistical efficiency.

Simple random sample techniques for the estimation of standard errors frequently underestimate the true standard errors for some estimates. A measure of the magnitude of this underestimation of the true standard errors is the design effect.[1] The design effect is the ratio of the actual variance of the estimate to the variance of the estimate calculated under simple random sample assumptions. When examining standard errors of estimates (the square roots of variances) the square root of the design effect is used. Table B.2 lists the square roots of several design effects (DEFTs) associated with NPSAS data.

Table B.2 -- Selected design effects (square roots) from NPSAS

Institutional characteristic	DEFT
All	2.05
Public	1.69
Private, not-for-profit	2.78
Private, for-profit	3.73
Less than 2-year	1.79
2-year	1.09
Other 4-year	1.09
Doctoral	0.85

[1]See Leslie Kish, Survey Sampling, (New York, NY: John Wiley and Sons, 1965).

As an example, suppose one wishes to estimate the number of all postsecondary undergraduates who obtained federal aid in the Fall semester. As shown in Table B.2, the square root of the design effect for the variance of this statistic is 2.05. Therefore, standard errors calculated with simple random sample techniques will underestimate true standard errors by a magnitude of about two. Statistical tests using standard errors calculated by simple random sampling techniques will therefore be too liberal. To overcome this problem, standard errors for all estimates in this tabulation were calculated using Taylor residual techniques.[1] All estimates, standard errors, unweighted n's and weighted n's are available from the Longitudinal Studies Branch in comma-separated form for use with all major spreadsheet software and microcomputers. Standard errors for a few selected variables are shown in Table B-3.

Student's t values may be computed for comparisons using these tables' estimates with the following formula:

$$t = P_1 - P_2 \ / \ SQRT (se_1^2 + se_2^2)$$

where P_1 and P_2 are the estimates to be compared and se_1 and se_2 are their corresponding standard errors.

There are hazards in reporting statistical tests for each comparison. First, the test may make comparisons based on large **t** statistics appear to merit special attention. This can be misleading, since the magnitude of the **t** statistic is related not only to the observed differences in means or percentages but also to the number of students in the specific categories used for comparison. Hence, a small difference compared across a large number of students would produce a large **t** statistic.

A second hazard in reporting statistical tests for each comparison is that, when making multiple comparisons among categories of an independent variable, for example, different levels of income, the probability of a Type I error for these comparisons taken as a group is larger than the probability for a single comparison. When more than one difference between groups of related characteristics or "families" are tested for statistical significance, we must apply a standard that assures a level of significance for all of those comparisons taken together.

[1]For information on the Taylor Series method, see, for example, Eun Sul Lee, Ronald N. Forthofer, and Ronald J. Lorimor, *Analyzing Complex Survey Data*. (Newbury Park, Ca: Sage Publications, 1989).

Table B.3 -- Standard errors for selected variables

Variable	Estimate (Percent)	Standard Error
Sex		
Male	45	.479
Female	55	.479
Race/ethnicity		
Asian	5	.290
Black	9	.548
Hispanic	7	.409
Native American	1	.140
White	78	.742
Age		
23 years old or younger	60	.799
24 to 29 years old	17	.402
30 years old or older	23	.531
Family income status		
Less than $11,000	14	.440
$11,000 to $16,999	11	.273
$17,000 to $22,999	12	.281
$23,000 to $29,000	14	.313
$30,000 to $49,999	27	.365
$50,000 plus	23	.526
Dependency status		
Dependent	63	.795
Independent	37	.795
Attendance status		
Full-time	62	1.030
Part-time	38	1.030
Educational objective		
Certificate or award	9	.422
Associate's degree	22	.927
Bachelor's degree	53	1.164
No formal award	6	.311
Undecided	3	.154
Institution control		
Public	77	1.299
Private, not-for-profit	18	1.287
Private, for profit	5	.468

Comparisons were made in this report only when $p \leq .05 / k$ for a particular pairwise comparison, where that comparison was one of k tests within a family. This guarantees both that the individual comparison would have $p \leq .05$ and that when k comparisons were made within a family of possible tests, the significance level of the comparisons would sum to $p \leq .05$.[1]

For example, in a comparison of enrollment for males and females, only one comparison is possible (males v. females). In this family, $k = 1$, and the comparison can be evaluated with a **Student's t** test. When students are divided into three racial/ethnic groups and all possible comparisons are made, then $k = 3$ and the significance level of each test must be $p \leq .05/3$, or .0167. In this report, when comparisons are made between rates of delayed entry in three different types of postsecondary institutions, then $k = 3$ and the significance level of each test must be $p \leq .05/3$, or .0167, in order to be considered statistically significant.

The computer programs used to prepare these tabulations produced estimates for subgroups with 30 or more cases (automatically suppressing estimates based on 29 or fewer cases). For more information, contact Carl M. Schmitt, National Center for Education Statistics, Longitudinal Studies Branch, 555 New Jersey Avenue, NW, Washington, DC 20208-5652 (phone 202 356-6772).

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[1] The standard that $p \leq .05/k$ for each comparison is more stringent than the criterion that the significance level of the comparisons should sum to $p \leq .05$. For tables showing the **t** statistic required to insure that $p \leq .05/k$ for a particular family size and degrees of freedom, see Oliver Jean Dunn, "Multiple Comparisons Among Means," *Journal of the American Statistical Association*, 56: 52-64.

APPENDIX C

SUPPLEMENTAL TABLES

Table C.V.1 -- Percentage distribution of undergraduates at private institutions, by attendance status and selected student and institutional characteristics: Fall 1986

	Non-profit 4-year PhD		Non-profit 4-year no PhD		Non-profit Less than 4-year		For-profit Less than 4-year	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Total	82.3	17.7	77.6	22.4	70.2	29.8	83.9	16.1
Sex								
Male	85.1	14.9	79.0	21.1	66.7	33.3	87.3	12.7
Female	79.5	20.5	76.6	23.4	72.2	27.8	82.3	17.7
Race/ethnicity								
Asian	88.3	11.7	83.9	16.1	90.7	9.3	62.8	37.2
Black	81.9	18.2	79.8	20.2	68.8	31.2	87.6	12.4
Hispanic	82.5	17.5	80.4	19.6	80.9	19.1	78.2	21.8
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	87.2	12.8
White	81.8	18.2	77.1	22.9	75.4	24.6	85.1	14.9
Age								
23 years or younger	93.9	6.1	92.8	7.2	79.7	20.3	86.6	13.4
24 to 29 years	51.9	48.1	49.4	50.6	61.1	38.9	81.7	18.3
30 years or older	31.5	68.5	33.4	66.6	45.3	54.7	80.3	19.7
Family income status†								
Lt $11,000	80.9	19.1	76.2	23.8	69.4	30.6	84.3	15.7
$11,000-16,999	79.8	20.2	78.4	21.7	68.2	31.9	83.3	16.7
$17,000-22,999	79.3	20.7	78.8	21.2	68.0	32.0	86.8	13.2
$23,000-29,999	82.4	17.7	80.0	20.0	82.2	17.8	82.5	17.6
$30,000-49,999	85.0	15.0	80.8	19.2	82.4	17.6	85.8	14.2
$50,000 plus	89.8	10.2	87.5	12.6	83.7	16.3	84.1	15.9
Dependency status								
Dependent	91.5	8.5	89.3	10.8	77.1	22.9	87.1	12.9
Independent	44.0	56.0	47.1	52.9	56.0	44.0	81.3	18.7
Dependent student's family income†								
Lt $11,000	87.8	12.2	86.4	13.6	75.6	24.4	89.1	10.9
$11,000-16,999	90.1	9.9	92.4	7.7	78.0	22.0	80.8	19.2
$17,000-22,999	91.7	8.3	93.0	7.0	56.0	44.0	88.5	11.5
$23,000-29,999	87.9	12.1	86.0	14.0	72.0	28.0	85.6	14.4
$30,000-49,999	92.4	7.6	89.3	10.7	81.2	18.8	89.5	10.5
$50,000 plus	92.6	7.4	89.7	10.3	90.8	9.2	85.9	14.1
Independent student's income†								
No income	50.5	49.5	52.3	47.7	52.5	47.6	80.6	19.4
$1-11,000	75.1	24.9	78.0	22.0	74.5	25.5	85.6	14.4
$11,000-16,999	49.6	50.4	58.0	42.0	63.6	36.5	79.8	20.2
$17,000-22,999	33.9	66.1	37.9	62.1	40.9	59.1	72.2	27.8
$23,000-29,999	29.8	70.2	30.4	69.6	39.1	60.9	78.1	22.0
$30,000 plus	23.6	76.4	19.7	80.3	29.9	70.1	73.0	27.0

Table C.V.1 -- Percentage distribution of undergraduates at private institutions, by attendance status and selected student and institutional characteristics: Fall 1986--Continued

	Non-profit 4-year PhD		Non-profit 4-year no PhD		Non-profit Less than 4-year		For-profit Less than 4-year	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Educational objective								
Certificate/award	48.1	51.9	57.1	42.9	76.5	23.6	82.9	17.1
Associate degree	52.6	47.4	57.6	42.4	74.9	25.1	87.2	12.8
Bachelor's degree	87.3	12.7	82.0	18.0	70.1	29.9	91.0	9.0
Other	54.6	45.4	55.4	44.6	71.5	28.5	82.1	17.9
No formal award	25.1	74.9	29.7	70.3	31.5	68.5	69.7	30.3
Undecided	77.0	23.0	77.8	22.2	32.7	67.3	Low-N	Low-N
Employment status								
Working full-time	28.7	71.3	22.3	77.7	26.8	73.2	63.4	36.6
Working part-time	87.1	12.9	84.8	15.2	78.0	22.0	87.2	12.8
Not employed	92.7	7.3	92.2	7.9	78.7	21.3	88.3	11.8

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.2 -- Percentage distribution of undergraduates at public institutions, by attendance status and selected student and institutional characteristics: Fall 1986

	4-year PhD		4-year no PhD		2-year		Less than 2-year	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Total	79.3	20.7	72.4	27.7	36.2	63.8	71.0	29.0
Sex								
Male	79.8	20.2	74.9	25.1	37.7	62.3	68.5	31.5
Female	78.8	21.2	70.2	29.8	35.2	64.9	72.9	27.1
Race/ethnicity								
Asian	78.3	21.7	73.2	26.8	41.6	58.4	Low-N	Low-N
Black	79.6	20.4	71.6	28.5	36.9	63.1	57.5	42.5
Hispanic	74.2	25.8	66.6	33.4	40.7	59.3	86.4	13.6
Native American	72.4	27.6	68.0	32.0	35.8	64.2	Low-N	Low-N
White	79.6	20.4	72.9	27.1	35.2	64.8	71.6	28.4
Age								
23 years or younger	88.4	11.6	86.7	13.3	53.4	46.7	76.2	23.8
24 to 29 years	62.5	37.5	54.5	45.5	25.3	74.7	77.0	23.1
30 years or older	39.3	60.7	35.5	64.5	21.1	78.9	62.3	37.7
Family income status†								
Lt $11,000	76.1	23.9	73.7	26.3	42.2	57.8	83.7	16.3
$11,000-16,999	75.1	24.9	73.7	26.3	44.1	55.9	76.6	23.5
$17,000-22,999	77.9	22.1	71.8	28.2	34.9	65.1	75.8	24.2
$23,000-29,999	78.7	21.3	77.4	22.6	43.8	56.2	65.8	34.2
$30,000-49,999	82.9	17.1	74.6	25.4	37.5	62.5	57.4	42.7
$50,000 plus	84.2	15.8	76.9	23.1	35.7	64.3	Low-N	Low-N
Dependency status								
Dependent	86.5	13.5	82.6	17.4	48.2	51.8	71.9	28.1
Independent	56.9	43.1	48.9	51.2	24.4	75.6	70.3	29.7
Dependent student's family income†								
Lt $11,000	85.9	14.1	82.6	17.4	48.3	51.7	82.7	17.3
$11,000-16,999	85.2	14.8	87.7	12.3	53.8	46.2	77.0	23.0
$17,000-22,999	85.6	14.4	80.1	19.9	49.0	51.0	ow-N	Low-N
$23,000-29,999	86.2	13.8	79.5	20.5	50.2	49.8	ow-N	Low-N
$30,000-49,999	86.2	13.8	81.7	18.3	47.0	53.0	69.1	30.9
$50,000 plus	87.6	12.5	84.4	15.6	45.5	54.5	Low-N	Low-N
Independent student's income								
No income	62.7	37.3	53.1	46.9	25.0	75.1	70.4	29.6
$1-11,000	78.2	21.8	77.0	23.0	45.0	55.0	78.5	21.5
$11,000-16,999	58.0	42.0	44.0	56.0	27.4	72.6	72.7	27.3
$17,000-22,999	41.2	58.8	36.9	63.1	17.0	83.0	65.9	34.1
$23,000-29,999	40.3	59.7	33.2	66.8	14.4	85.6	Low-N	Low-N
$30,000 plus	29.7	70.3	26.1	73.9	14.2	85.8	52.6	47.5

Table C.V.2 -- Percentage distribution of undergraduates at public institutions, by attendance status and selected student and institutional characteristics: Fall 1986--Continued

	4-year PhD		4-year no PhD		2-year		Less than 2-year	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Educational objective								
Certificate/award	60.4	39.6	40.0	60.0	35.5	64.5	76.9	23.1
Associate degree	68.8	31.2	60.5	39.5	44.1	55.9	65.9	34.1
Bachelor's degree	82.9	17.1	77.6	22.4	38.4	61.6	Low-N	Low-N
Other	54.8	45.2	39.2	60.8	30.1	70.0	73.3	26.7
No formal award	31.2	68.8	38.2	61.8	11.7	88.3	Low-N	Low-N
Undecided	79.7	20.3	72.1	28.0	25.2	74.8	Low-N	Low-N
Employment status								
Working full-time	29.3	70.7	25.7	74.3	12.6	87.4	37.5	62.5
Working part-time	81.5	18.5	76.9	23.1	48.1	51.9	76.7	23.3
Not employed	88.7	11.3	84.6	15.4	49.3	50.7	80.9	19.1

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.3 -- Percentage distribution of undergraduates at private institutions, by housing arrangements and selected student and institutional characteristics: Fall 1986

	Non-profit 4-year PhD			Non-profit 4-year no PhD			Non-profit less than 4-year			For-profit less than 4-year		
	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents
Total	46.5	34.8	18.8	47	34.6	18.5	33.5	38.9	27.7	2.2	55.2	42.6
Sex												
Male	47.7	33.8	18.5	48.8	32.6	18.6	40.4	31.2	28.4	3.4	53.0	43.7
Female	45.2	35.8	19	45.7	36	18.3	29.4	43.4	27.2	1.7	56.2	42.1
Race/ethnicity												
Asian	45.6	26.8	27.6	47.9	30.2	21.9	24.1	39.0	36.8	0.7	45.7	53.6
Black	45.6	30.4	24	38.9	38.4	22.7	29.0	41.3	29.8	1.8	55.2	43.0
Hispanic	34.1	37.8	28.1	35.7	37.1	27.2	23.2	31.7	45.1	1.1	48.5	50.5
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	0.0	72.9	27.2
White	47.4	35.8	16.8	48.2	34.2	17.6	32.8	39.5	27.7	2.8	56.9	40.4
Age												
23 years or younger	58	21.8	20.2	63.9	14.9	21.2	49.1	15.4	35.5	3.8	31.2	65.1
24 to 29 years	9.7	68.6	21.7	9.1	70.5	20.4	7.4	70.6	22.0	0.6	73.2	26.1
30 years or older	1.6	92.2	6.2	2.4	92	5.6	1.1	93.0	5.9	0.4	89.8	9.9
Family income status†												
Lt $11,000	39.0	39.5	21.5	38.3	43.2	18.6	25.5	52.1	22.4	1.7	56.7	41.6
$11,000-16,999	42.9	30.5	26.6	42.9	37.6	19.5	25.3	44.9	29.8	1.5	47.7	50.8
$17,000-22,999	46.1	32.2	21.8	42.8	32.7	24.5	25.9	34.7	39.4	3.1	49.4	47.5
$23,000-29,999	44.7	28.9	26.4	51.3	26.4	22.3	34.2	26.2	39.6	3.4	45.7	51.0
$30,000-49,999	46.4	30.9	22.6	50.7	26.2	23.1	44.3	25.7	30.0	4.6	35.9	59.5
$50,000 plus	57.1	29.9	13.0	61.6	23.0	15.4	54.7	19.8	25.4	3.2	50.1	46.7
Dependency status												
Dependent	55.6	22.0	22.4	61.4	14.6	24.1	47.3	13.9	38.8	4.4	17.3	78.3
Independent	8.4	88.2	3.4	9.4	86.8	3.8	5.4	89.7	4.9	0.4	86.7	12.9
Dependent student's family income†												
Lt $11,000	49.4	22.6	28.0	51.6	19.0	29.4	34.8	15.7	49.5	2.9	17.4	79.7
$11,000-16,999	50.5	20.2	29.4	59.2	11.9	28.8	50.1	6.2	43.7	3.9	15.7	80.4
$17,000-22,999	51.6	18.3	30.1	56.8	13.4	29.8	49.6	18.3	32.1	4.2	16.7	79.1
$23,000-29,999	55.4	14.4	30.3	59.2	16.6	24.2	54.5	7.2	38.4	3.4	17.7	78.9
$30,000-49,999	54.1	21.0	24.9	61.0	13.1	26.0	41.5	17.4	41.1	7.5	16.7	75.8
$50,000 plus	59.1	25.2	15.7	67.2	14.7	18.1	62.3	12.7	25.0	3.9	21.3	74.9

Table C.V.3 -- Percentage distribution of undergraduates at private institutions, by housing arrangements and selected student and institutional characteristics: Fall 1986--Continued

	Non-profit 4-year PhD			Non-profit 4-year no PhD			Non-profit less than 4-year			For-profit less than 4-year		
	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents
Independent student's income[†]												
No income	17.4	76.2	6.4	21.8	72.3	5.9	9.0	80.4	10.6	0.0	81.5	18.5
$1-11,000	20.6	70.8	8.7	20.2	70.8	9.0	10.2	83.7	6.1	0.4	84.0	15.7
$11,000-16,999	9.5	89.6	0.9	8.8	88.4	2.8	4.3	87.3	8.3	0.5	88.5	11.0
$17,000-22,999	0.9	95.9	3.2	3.2	95.6	1.3	0.0	100	0.0	0.9	94.6	4.5
$23,000-29,999	1.7	98.3	0.0	1.8	98.2	0.0	1.2	96.4	2.5	0.0	89.2	10.8
$30,000 plus	0.3	99.4	0.3	0.1	99.2	0.7	0.0	99.4	0.6	0.0	94.8	5.3
Attendance status												
Full-time	55.1	26.4	18.5	59.3	22.6	18.1	40.5	28.9	30.6	2.6	53.7	43.7
Part-time	6.0	74.1	19.9	4.5	75.9	19.6	17.0	62.2	20.8	0.3	62.5	37.2
Educational objective												
Certificate/award	23.4	64.0	12.6	31.4	49.4	19.3	29.8	38.9	31.3	1.2	57.0	41.8
Associate degree	16.2	56.6	27.3	22.4	49.9	27.8	34.5	39.4	26.1	4.6	50.4	45.0
Bachelor's degree	50.5	31.1	18.4	50.8	31.5	17.7	44.1	26.8	29.1	4.6	53.9	41.5
Other	18.4	62.2	19.4	27.5	56.6	15.9	27.3	36.7	36.0	1.2	56.2	42.6
No formal award	14.7	62.7	22.7	19.2	62.8	18.1	13.9	62.5	23.6	11.38	65.0	33.6
Undecided	54.0	22.4	23.6	61.7	14.5	23.8	56.2	33.6	10.2	Low-N	Low-N	Low-N
Employment status												
Working full-time	3.9	75.7	20.4	3.0	80.4	16.7	12.5	63.6	23.9	0.8	65.9	33.4
Working part-time	43.0	32.0	25.1	43.1	29.9	27.0	26.9	34.4	38.7	3.1	43.3	53.6
Not employed	60.6	26.0	13.4	66.0	21.5	12.5	45.8	35.2	19.1	2.0	59.4	38.6

[†]See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.4 -- Percentage distribution of undergraduates at public institutions, by housing arrangements and selected student and institutional characteristics: Fall 1986

	4-year PhD			4-year no PhD			2-year			Less than 2-year		
	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents
Total	30.2	49.9	19.9	24.8	46.7	28.6	1.9	58.4	39.7	1.0	64.4	34.6
Sex												
Male	29.7	49.9	20.4	25.4	44.0	30.5	3.0	51.0	46.0	1.5	58.9	39.6
Female	30.7	49.9	19.4	24.2	48.9	26.9	1.1	64.2	34.8	0.7	68.6	30.7
Race/ethnicity												
Asian	28.8	40.5	30.6	16.0	44.2	39.8	3.4	49.0	47.7	Low-N	Low-N	Low-N
Black	37.6	37.6	24.8	30.0	37.6	32.4	2.9	60.3	36.8	1 2.38	52.1	45.6
Hispanic	25.7	49.6	24.6	13.5	43.1	43.4	0.6	55.4	43.9	0.0	68.0	32.0
Native American	34.0	53.7	12.3	16.4	65.2	18.3	0.0	72.5	27.5	Low-N	Low-N	Low-N
White	29.9	51.5	18.6	25.6	48.2	26.2	1.9	59.0	39.1	0.6	66.5	32.9
Age												
23 years or younger	38.2	38.8	23.1	35.4	29.3	35.3	3.2	23.9	72.8	1.0	32.6	66.4
24 to 29 years	8.1	75.2	16.7	7.5	67.9	24.6	1.1	74	24.9	1.3	77.1	21.6
30 years or older	3.6	93.2	3.2	0.9	91.9	7.3	0.7	93.2	6.1	0.9	89.7	9.5
Family income status†												
Lt $11,000	27.4	56.7	15.9	20.1	53.7	26.2	2.8	64.7	32.5	0.8	59.7	39.6
$11,000-16,999	25.8	50.0	24.1	26.6	40.3	33.0	2.2	55.9	41.8	10.00	48.5	51.5
$17,000-22,999	29.3	43.8	26.9	24.7	41.5	33.8	1.2	54.9	43.9	0.0	46.3	53.7
$23,000-29,999	29.8	48.0	22.2	27.3	41.5	31.2	2.1	47.9	50.0	0.7	71.2	28.1
$30,000-49,999	30.9	44.6	24.5	28.9	39.4	31.7	2.6	45.3	52.1	0.1	57.9	42.0
$50,000 plus	35.9	47.1	17	27.7	43.7	28.6	1.1	47.0	51.9	Low-N	Low-N	Low-N
Dependency status												
Dependent	36.9	37.6	25.5	33.4	27.1	39.4	2.7	21.9	75.4	1.0	25.7	73.3
Independent	9.5	87.9	2.6	4.8	91.6	3.6	1.1	94.7	4.2	1.1	92.2	6.7
Dependent student's family income†												
Lt $11,000	34.9	39.2	25.9	29.6	24.6	45.9	2.2	26.3	71.5	1.1	27.9	71.0
$11,000-16,999	36.6	31.4	32.0	37.7	21.5	40.8	2.8	22.5	74.7	0.0	24.7	75.3
$17,000-22,999	34.3	31.3	34.4	31.5	25.6	42.8	2.1	19.9	78.1	Low-N	Low-N	Low-N
$23,000-29,999	36.4	34.2	29.5	31.8	27.7	40.6	2.8	21.7	75.5	Low-N	Low-N	Low-N
$30,000-49,999	36.7	37.1	26.1	35.2	25.6	39.3	3.4	20.9	75.7	0.1	26.2	73.7
$50,000 plus	38.6	42.0	19.5	33.1	33.0	34.0	1.9	21.5	76.6	Low-N	Low-N	Low-N

Table C.V.4 -- Percentage distribution of undergraduates at public institutions, by housing arrangements and selected student and institutional characteristics: Fall 1986--Continued

	4-year PhD			4-year no PhD			2-year			Less than 2-year		
	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents	School owned housing	Off campus not with parents	Off campus with parents
Independent student's income[†]												
No income	18.5	75.7	5.8	10.7	82.9	6.4	5.9	87.7	6.4	0.0	89.8	10.2
$1-11,000	16.0	80.7	3.3	10.7	84.3	5.0	1.4	88.8	9.7	3.0	89.6	7.4
$11,000-16,999	8.6	87.9	3.5	1.5	95.2	3.3	0.8	95.2	4.0	0.0	94.5	5.5
$17,000-22,999	1.6	97.7	0.7	0.6	95.3	4.1	0.0	9.07	3.0	0.0	95.8	4.3
$23,000-29,999	2.6	96.6	0.8	0.6	98.7	0.7	0.0	100	0.0	Low-N	Low-N	Low-N
$30,000 plus	1.0	98.2	0.9	0.2	98.2	1.6	0.0	98.4	1.6	0.0	95.6	4.4
Attendance status												
Full-time	35.6	44.4	20	32.7	37.8	29.5	3.4	40.9	55.7	1.0	60.9	38.2
Part-time	9.7	71.0	19.4	3.9	69.9	26.2	1.1	68.4	30.5	1.2	73.0	25.8
Educational objective												
Certificate/award	26.7	65.3	8.0	9.6	65.5	25.0	1.3	60.9	37.9	1.0	62.7	36.4
Associate degree	27.3	46.6	26.1	16.2	45.4	38.4	1.9	54.8	43.3	0.0	67.7	32.3
Bachelor's degree	31.4	48.1	20.5	26.3	45.4	28.3	2.9	52.9	44.3	Low-N	Low-N	Low-N
Other	16.2	71.8	12.0	13.4	63.2	23.3	1.6	69.9	28.5	3.9	70.4	25.7
No formal award	16.4	68.9	14.7	15.9	57.5	26.6	0.7	76.8	22.5	Low-N	Low-N	Low-N
Undecided	43.9	28.9	27.2	40.0	26.0	34.0	2.8	53.3	43.9	Low-N	Low-N	Low-N
Employment status												
Working full-time	2.6	82.9	14.5	2.2	76.1	21.7	0.3	75.5	24.3	1 0.00	74.8	25.2
Working part-time	21.0	48.6	30.4	18.1	43.1	38.7	1.4	41.7	56.9	1.9	54.2	43.9
Not employed	45.3	42.5	12.2	39.0	39.2	21.8	4.5	59.4	36.1	1.0	65.2	33.8

[†]See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.5a -- Percentage distribution of undergraduates seeking certificates or diplomas, by field of study and selected student and institutional characteristics: Fall 1986

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Total	0.2	31.1	12.7	10.3	15.5	14.7	7.6	1.2
Sex								
Male	0.1	13.6	4.4	2.6	38.6	24.1	8.0	2.2
Female	0.2	41.6	17.8	14.9	1.5	9.0	7.3	0.6
Race/ethnicity								
Asian	0.0	22.9	9.9	8.8	26.9	8.7	7.2	0.0
Black	0.0	32.9	13.3	10.9	9.9	16.0	9.0	2.1
Hispanic	0.3	37.1	12.3	9.7	17.3	15.5	5.1	0.4
Native American	0.0	42.7	7.1	21.5	8.3	5.2	15.3	0
White	0.2	29.9	13	10.1	15.8	14.8	7.5	1.2
Age								
23 years or younger	0.17	30.9	14 7	11.5	14.8	14.6	6.0	1.0
24 to 29 years	0.1	29.5	11.3	9.5	17.7	15.0	7.2	2.3
30 years or older	0.2	32.3	11.1	9.2	15.0	14.6	9.7	0.8
Family income status†								
Lt $11,000	0.2	32.4	13.5	11.0	14.5	13.3	6.7	1.7
$11,000-16,999	0.3	33.4	10.7	6.3	17.2	17.2	5.3	1.4
$17,000-22,999	0.0	28.7	10.8	11.1	14.9	17.3	10.7	0.8
$23,000-29,999	0.0	27.2	17.4	7.7	15.6	17.8	5.7	0.6
$30,000-49,999	0.4	27.1	14.7	9.4	14.8	17.6	6.3	1.6
$50,000 plus	0.2	28.4	18.0	7.6	7.5	18.1	5.7	0.8
Dependency status								
Dependent	0.2	28.1	13.6	9.6	17.2	14.8	6.5	1.8
Independent	0.2	33.5	12.1	10.9	14.0	14.6	8.4	0.6
Dependent student's family income‡								
Lt $11,000	0.5	33.7	9.9	9.9	19.2	13.9	5.6	2.0
$11,000-16,999	0.0	28.5	16.4	14.2	15.6	11.2	7.4	0.5
$17,000-22,999	0.0	18.8	14.3	12.5	29.1	8.5	9.7	0.9
$23,000-29,999	0.0	34.2	12.9	7.1	16.5	18.3	2.8	4.1
$30,000-49,999	0.3	24.7	14.6	8.2	15.7	16.1	6.9	2.1
$50,000 plus	0.0	29.4	14.8	6.6	8.2	20.6	5.9	1.3
Independent student's income†								
No income	0.0	40.8	11.4	13.4	13.5	8.7	6.9	0.6
$1-11,000	0.3	33.4	16.1	13.7	11.1	15.8	4.9	0.9
$11,000-16,999	0.0	31.6	12.6	10.6	15.0	16.7	7.7	1.2
$17,000-22,999	0.5	41.7	6.7	8.1	16.0	10.6	7.7	0.2
$23,000-29,999	0.0	28.1	7.0	9.4	16.2	12.9	17.5	0.0
$30,000 plus	0.1	27.9	11.2	6.0	17.1	19.1	12.4	0.5

Table C.V.5b -- Percentage distribution of undergraduates seeking certificates or diplomas, by field of study and selected student and institutional characteristics: Fall 1986

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Total	0.6	0.4	0.8	1.2	1.6	2.3
Sex						
Male	0.2	0.5	1.2	1.6	1.6	1.5
Female	0.9	0.3	0.5	1.0	1.5	2.9
Race/ethnicity						
Asian	0.0	0.6	1.0	1.0	0.1	12.9
Black	0.0	0.2	0.9	1.5	1.4	1.9
Hispanic	1.4	0.0	0.4	0.4	0.0	0.3
Native American	0.0	0.0	0.0	0.0	0.0	0.0
White	0.6	0.5	0.8	1.4	2.0	2.2
Age						
23 years or younger	0.5	0.6	0.5	1.5	1.7	1.6
24 to 29 years	0.9	0.2	1.3	0.4	1.7	2.9
30 years or older	0.5	0.2	0.8	1.4	1.3	3.0
Family income status†						
Lt $11,000	0.7	0.4	0.4	1.7	0.6	3.0
$11,000-16,999	0.6	1.1	0.8	3.0	1.5	1.2
$17,000-22,999	0.6	0.2	1.6	0.0	2.3	0.9
$23,000-29,999	0.7	0.0	1.1	0.4	2.3	3.4
$30,000-49,999	1.5	0.4	1.8	1.3	0.9	2.4
$50,000 plus	0.4	0.4	0.8	3.7	2.3	6.1
Dependency status						
Dependent	0.7	0.6	0.6	1.7	2.4	2.2
Independent	0.5	0.1	0.9	0.8	0.9	2.5
Dependent student's family income†						
Lt $11,000	1.9	0.5	0.9	1.3	0.6	0.0
$11,000-16,999	0.0	0.4	0.0	3.5	2.4	0.0
$17,000-22,999	0.0	0.4	0.7	0.0	4.5	0.7
$23,000-29,999	0.0	0.0	1.0	0.9	1.9	0.3
$30,000-49,999	0.3	0.4	0.7	2.2	3.5	4.4
$50,000 plus	1.2	2.2	0.0	2.1	1.4	6.3
Independent student's income†						
No income	0.6	0.8	0.0	0.0	0.7	2.7
$1-11,000	0.2	0.1	0.4	1.2	1.2	0.7
$11,000-16,999	0.5	0.0	0.5	1.1	0.5	2.1
$17,000-22,999	0.8	0.0	2.9	0.1	0.0	4.7
$23,000-29,999	0.0	0.0	2.0	0.6	0.0	6.5
$30,000 plus	1.3	0.0	0.9	1.1	0.4	2.0

Table C.V.5a -- Percentage distribution of undergraduates seeking certificates or diplomas, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Mother's education								
Less than HS	0.1	34.3	13.2	10.1	15.1	14.6	7.4	0.5
High school only	0.1	29.6	15.9	9.3	16.2	15.8	6.7	1.3
Voc tech/lt 2 yrs pse	0.0	29.7	10.7	9.2	17.1	14.6	9.3	1.3
AA/gt 2 yrs pse	0.7	26.1	10.1	10.7	15.7	13.6	10.4	0.2
BA or BS	0.0	30.3	9.4	10.9	13.4	18.3	8.1	1.8
Advanced degree	0.9	22.8	16.9	5.7	5.6	10.4	7.7	0.7
Father's education								
Less than HS	0.0	37.6	11.3	8.7	16.1	14.1	7.1	0.3
High school only	0.1	27.9	17.0	10.5	14.9	17.2	7.1	1.4
Voc tech/lt 2 yrs pse	0.0	27.4	10.5	11.8	18.4	14.1	6.3	1.8
AA/gt 2 yrs pse	0.8	29.8	12.1	7.8	16.9	22.0	5.0	0.7
BA or BS	0.0	31.4	12.2	8.5	10.0	13.3	10.0	2.2
Advanced degree	0.7	25.1	7.0	2.8	11.1	8.8	14.8	1.0
Mother's occupation								
Managerial	0.0	25.4	14.5	8.0	17.3	18.8	7.1	0.4
Professional	0.5	30.8	12.1	10.2	14.3	12.8	6.0	1.4
Mktg/sales	0.1	28.0	14.2	10.5	14.4	17.8	6.5	0.9
Tech/support	0.2	42.3	10.6	10.2	8.2	16.7	5.8	3.4
Services	0.4	28.2	14.7	10.2	13.5	18.5	6.2	1.1
Prec prod/crafts/rep	0.0	33.1	11.8	6.1	17.5	14.1	5.6	3.6
Oper/fbrctrs/lbrs	0.0	27.0	4.8	14.5	29.9	17.4	0.0	0.0
Farm/forest/fish	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	0.1	31.7	14.9	8.7	17.1	13.7	8.2	0.8
Other/unknown	0.2	32.1	10.9	12.4	15.5	13.0	9.0	1.0
Father's occupation								
Managerial	0.4	27.3	12.7	11.1	14.3	15.8	5.8	0.3
Professional	0.0	26.6	13.5	5.1	15.3	13.4	9.2	1.3
Mktg/sales	0.0	26.6	12.3	8.1	20.6	15.6	6.5	4.8
Tech/support	0.0	36.2	15.2	5.9	7.4	21.2	5.3	0.8
Services	0.0	35.0	12.5	4.7	17.5	11.6	10.1	3.0
Prec prod/crafts/rep	0.3	32.8	12.0	10.9	15.1	14.7	7.4	0.4
Oper/fbrctrs/lbrs	0.0	29.9	14.7	7.4	18.4	18.8	7.1	0.6
Farm/forest/fish	0.3	25.0	6.4	14.0	30.8	7.2	3.4	0.0
Military	0.0	29.2	30.2	13.1	13.5	14.0	0.0	0.0
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	0.1	32.5	12.6	12.5	14.1	14.0	8.7	1.2

Table C.V.5b -- Percentage distribution of undergraduates seeking certificates or diplomas, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Mother's education						
Less than HS	0.2	0.4	0.7	0.5	0.4	2.4
High school only	0.2	0.3	0.7	0.9	1.5	1.3
Voc tech/lt 2 yrs pse	0.4	0.0	1.2	2.9	1.0	2.7
AA/gt 2 yrs pse	1.3	1.1	0.4	4.1	3.4	2.2
BA or BS	0.7	0.4	0.7	1.0	3.7	1.3
Advanced degree	5.4	0.8	3.9	4.1	6.8	8.3
Father's education						
Less than HS	0.3	0.0	0.6	0.6	1.0	2.3
High school only	0.5	0.4	0.4	1.3	1.1	0.3
Voc tech/lt 2 yrs pse	0.6	0.4	1.9	1.4	1.6	3.7
AA/gt 2 yrs pse	0.7	0.9	0.9	0.3	1.0	1.1
BA or BS	0.0	1.5	1.2	2.3	3.3	4.3
Advanced degree	4.6	0.0	2.6	6.8	6.9	7.7
Mother's occupation						
Managerial	1.4	2.8	0.5	0.9	1.4	1.7
Professional	2.1	0.0	2.3	1.2	3.6	2.7
Mktg/sales	0.6	0.2	1.0	2.0	1.5	2.3
Tech/support	0.0	0.0	0.0	0.9	1.2	0.7
Services	1.6	0.0	0.2	1.8	2.1	1.5
Prec prod/crafts/rep	0.1	0.0	0.4	4.5	0.3	2.9
Oper/fbrctrs/lbrs	0.0	3.4	0.0	0.0	3.1	0.0
Farm/forest/fish	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	0.2	0.2	0.4	0.7	1.7	1.6
Other/unknown	0.2	0.4	0.9	0.8	1.0	2.6
Father's occupation						
Managerial	1.3	1.0	1.4	2.2	3.5	2.9
Professional	1.2	1.2	0.9	2.7	2.8	6.9
Mktg/sales	0.5	0.4	1.1	0.7	0.0	3.0
Tech/support	1.4	0.0	0.9	1.1	2.4	2.3
Services	0.0	0.0	0.9	0.5	3.6	0.7
Prec prod/crafts/rep	0.4	0.4	1.2	1.2	2.0	1.3
Oper/fbrctrs/lbrs	0.0	0.0	0.0	2.6	0.6	0.0
Farm/forest/fish	0.5	0.0	0.0	1.1	0.0	11.4
Military	0.0	0.0	0.0	0.0	0.0	0.0
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	0.5	0.2	0.5	0.8	0.8	1.7

Table C.V.5a -- Percentage distribution of undergraduates seeking certificates or diplomas, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Enrollment level								
First year	0.2	33.2	13.1	11.4	16.8	15.0	4.8	0.9
Second year	0.0	25.8	9.8	9.3	17.8	18.7	7.3	2.2
Third year	0.0	22.0	20.9	7.4	10.9	16.5	7.1	1.1
Fourth year or more	0.0	20.9	14.3	6.7	10.4	12.6	21.1	1.1
Attendance status								
Full-time	0.3	30.6	15.5	12.5	15.7	14.2	5.2	1.3
Part-time	0.1	31.8	8.3	6.7	15.2	15.6	11.4	1.0
Type of institution								
Public 4-yr PhD	0.5	10.0	7.7	1.0	0.0	2.8	33.7	7.0
Private-np 4-yr PhD	0.0	27.5	20.6	0.0	1.7	15.1	24.5	0.0
Public 4-yr no PhD	0.0	21.8	9.1	1.9	1.9	2.3	44.1	0.0
Priv-np 4-yr no PhD	0.0	27.5	7.7	0.5	0.0	5.5	15.8	5.5
Public 2-yr	0.1	24.8	12.0	4.4	21.8	16.4	9.7	1.0
Private-np lt 4-yr	0.0	27.4	47.4	10.9	6.1	5.9	0.9	0.0
Private-fp lt 4-yr	0.1	42.3	9.3	20.4	8.1	16.6	2.0	0.9
Public lt 2-yr	0.9	27.6	17.6	5.0	34.6	10.1	2.5	0.9
Institution level								
Less than 2 years	0.3	37.2	12.0	19.9	12.6	14.3	2.3	0.9
2 to 3 years	0.1	28.2	14.0	4.1	20.3	16.2	8.0	0.9
4-yrs no PhD	0.0	23.0	7.9	1.1	0.9	9.4	28.4	3.1
4-yrs PhD	0.4	13.7	10.5	0.8	0.4	5.4	31.7	5.5
Institutional control								
Public	0.3	24.3	12.6	4.2	22.0	14.0	11.2	1.3
Private, non-profit	0.0	27.4	32.3	6.5	3.7	6.8	8.1	1.7
Private, for-profit	0.1	41.9	9.2	20.2	8.0	17.2	2.0	0.9

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.5b -- Percentage distribution of undergraduates seeking certificates or diplomas, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Enrollment level						
First year	0.5	0.4	0.7	0.2	0.7	2.1
Second year	0.3	0.2	0.3	1.2	4.0	3.3
Third year	0.6	0.4	1.2	7.9	1.3	2.7
Fourth year or more	1.5	1.1	1.5	3.2	1.7	4.0
Attendance status						
Full-time	0.6	0.5	0.6	0.9	1.4	0.9
Part-time	0.6	0.1	1.0	1.8	1.8	4.7
Type of institution						
Public 4-yr PhD	5.5	0.0	8.4	11.2	1.5	10.8
Private-np 4-yr PhD	0.0	0.0	0.0	5.8	0.0	4.9
Public 4-yr no PhD	4.5	0.0	3.6	8.0	1.5	1.5
Priv-np 4-yr no PhD	0.0	11.2	4.0	5.5	14.1	2.8
Public 2-yr	0.7	0.3	0.8	1.3	2.3	4.5
Private-np lt 4-yr	0.2	0.2	0.2	0.8	0.3	0.0
Private-fp lt 4-yr	0.1	0.0	0.0	0.0	0.4	0.1
Public lt 2-yr	0.0	0.0	0.0	0.0	0.7	0.0
Institution level						
Less than 2 years	0.0	0.0	0.0	0.0	0.5	0.0
2 to 3 years	0.6	0.2	0.7	1.1	1.9	3.7
4-yrs no PhD	2.2	5.1	3.5	6.3	7.1	2.0
4-yrs PhD	4.3	0.0	6.6	10.0	1.2	9.6
Institutional control						
Public	1.0	0.2	1.2	1.9	1.9	4.0
Private, non-profit	0.1	3.5	1.3	2.8	4.4	1.4
Private, for-profit	0.1	0.0	0.0	0.0	0.4	0.0

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.6a -- Percentage distribution of undergraduates seeking AA degrees, by field of study and selected student and institutional characteristics: Fall 1986

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Total	0.7	34.6	12.9	2.2	4.9	18.5	7.9	1.5
Sex								
Male	1.2	26.1	4.3	1.4	9.6	30.5	8.3	2.3
Female	0.4	40.7	19.0	2.8	1.6	9.9	7.6	0.9
Race/ethnicity								
Asian	0.0	26.0	12.6	3.1	11.3	27.9	2.5	1.7
Black	0.0	44.1	11.2	3.0	3.2	16.7	6.0	0.8
Hispanic	0.2	41.5	11.2	0.7	5.2	17.3	9.4	2.1
Native American	0.0	29.9	21.6	6.4	0.5	16.6	8.5	1.1
White	0.9	33.0	13.2	2.1	4.9	18.5	8.3	1.5
Age								
23 years or younger	0.6	35.1	10.0	2.3	5.3	18.9	8.2	2.3
24 to 29 years	0.7	30.9	15.3	1.2	5.3	24.6	6.7	0.7
30 years or older	0.8	36.4	16.5	2.8	3.8	13.2	8.2	0.4
Family income status[†]								
Lt $11,000	0.6	35.9	11.2	2.7	4.3	17.2	10.9	0.9
$11,000-16,999	0.7	31.3	13.3	2.1	6.8	21.8	8.0	0.8
$17,000-22,999	0.1	39.0	11.3	0.7	4.7	19.0	10.0	2.3
$23,000-29,999	0.3	26.4	13.4	2.8	5.3	23.8	6.8	2.2
$30,000-49,999	0.8	34.6	12.9	2.4	5.1	17.2	7.0	1.7
$50,000 plus	0.6	34.5	6.8	4.0	5.2	18.2	9.2	2.3
Dependency status								
Dependent	0.6	34.5	10.6	2.6	4.6	19.6	7.5	2.3
Independent	0.9	34.7	15.6	1.8	5.3	17.2	8.3	0.5
Dependent student's family income[†]								
Lt $11,000	0.6	35.7	11.8	3.1	3.4	23.0	9.0	1.1
$11,000-16,999	0.0	37.9	6.4	2.3	4.0	20.5	9.0	1.2
$17,000-22,999	0.2	33.0	10.8	1.2	6.8	19.6	7.1	2.4
$23,000-29,999	1.1	30.4	15.0	1.3	7.1	18.6	5.0	2.4
$30,000-49,999	0.8	34.7	11.9	2.6	3.5	18.2	6.7	2.7
$50,000 plus	0.3	35.7	5.0	4.4	4.4	19.3	9.4	2.8
Independent student's income[†]								
No income	1.7	38.6	18.9	0.8	2.8	12.1	9.1	0.0
$1-11,000	1.0	27.5	19.2	3.1	5.1	19.2	8.2	1.0
$11,000-16,999	1.0	35.5	13.7	2.4	3.5	20.5	5.3	0.9
$17,000-22,999	0.0	37.0	15.8	1.5	8.6	13.6	8.9	0.0
$23,000-29,999	1.0	38.0	12.2	2.3	5.3	16.2	12.6	0.5
$30,000 plus	0.6	38.5	13.3	0.3	6.0	17.0	7.6	0.1

Table C.V.6b -- Percentage distribution of undergraduates seeking AA degrees, by field of study and selected student and institutional characteristics: Fall 1986

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Total	0.8	0.0	1.3	3.1	2.4	9.3
Sex						
Male	0.8	0.1	1.4	2.4	2.3	9.4
Female	0.7	0.0	1.3	3.5	2.4	9.3
Race/ethnicity						
Asian	3.0	0.0	1.3	3.8	2.7	4.2
Black	1.2	0.0	0.5	3.3	0.9	9.3
Hispanic	1.1	0.0	0.9	2.0	1.1	7.3
Native American	0.0	0.0	1.5	5.0	0.0	8.9
White	0.6	0.0	1.5	3.0	2.7	9.8
Age						
23 years or younger	1.0	0.0	1.3	3.1	2.7	9.1
24 to 29 years	0.3	0.1	1.0	3.3	2.4	7.5
30 years or older	0.7	0.0	1.7	2.7	1.8	11.0
Family income status†						
Lt $11,000	1.9	0.0	1.4	2.2	2.6	8.2
$11,000-16,999	0.9	0.0	0.7	4.4	2.2	7.1
$17,000-22,999	0.3	0.1	1.6	1.5	2.8	6.7
$23,000-29,999	1.2	0.0	1.2	3.5	3.4	9.9
$30,000-49,999	0.6	0.0	2.1	2.9	1.9	10.8
$50,000 plus	0.3	0.0	1.3	2.5	2.9	12.3
Dependency status						
Dependent	0.8	0.0	1.2	3.4	2.9	9.6
Independent	0.8	0.0	1.5	2.6	1.7	9.0
Dependent student's family income†						
Lt $11,000	0.0	0.0	0.8	2.4	3.1	6.2
$11,000-16,999	2.9	0.0	1.4	7.7	1.1	5.7
$17,000-22,999	2.6	0.0	0.7	3.7	4.0	8.1
$23,000-29,999	0.3	0.0	1.0	0.5	3.4	13.9
$30,000-49,999	0.3	0.0	1.8	3.0	2.6	11.2
$50,000 plus	0.3	0.1	0.6	5.2	3.3	9.2
Independent student's income†						
No income	0.0	0.0	0.0	2.4	3.1	10.5
$1-11,000	1.3	0.0	0.9	3.9	2.7	6.9
$11,000-16,999	1.0	0.1	0.0	2.0	1.0	13.1
$17,000-22,999	1.0	0.2	2.8	1.2	1.2	8.1
$23,000-29,999	1.2	0.0	1.1	3.7	1.1	4.9
$30,000 plus	0.0	0.0	2.9	1.7	1.2	10.8

Table C.V.6a -- Percentage distribution of undergraduates seeking AA degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Mother's education								
Less than HS	0.9	36.4	16.0	2.3	5.2	14.6	10.8	0.5
High school only	0.7	34.6	11.1	1.9	4.3	21.8	6.1	1.4
Voc tech/lt 2 yrs pse	0.8	32.7	15.2	2.2	6.8	19.4	7.9	1.2
AA/gt 2 yrs pse	1.1	37.0	11.5	2.7	5.1	16.6	6.1	2.8
BA or BS	0.3	31.1	11.0	3.2	5.5	17.6	8.0	2.4
Advanced degree	0.0	26.8	7.2	1.1	3.3	18.7	10.8	5.2
Father's education								
Less than HS	0.6	37.6	15.0	1.8	5.6	16.0	8.6	0.5
High school only	0.9	35.3	12.3	1.9	5.1	19.5	6.8	1.3
Voc tech/lt 2 yrs pse	0.8	32.3	12.1	2.8	3.9	19.5	9.0	1.7
AA/gt 2 yrs pse	1.1	24.7	13.5	2.6	3.2	22.9	8.5	2.0
BA or BS	0.3	32.5	9.4	4.3	5.5	20.9	9.8	3.7
Advanced degree	0.0	37.5	11.2	1.7	5.1	13.0	5.1	3.6
Mother's occupation								
Managerial	2.9	34.0	13.9	0.6	4.4	17.6	5.8	2.6
professional	1.1	28.4	12.2	2.3	3.9	21.1	10.0	3.4
Mktg/sales	0.5	35.9	11.9	2.2	5.0	18.3	7.2	1.7
Tech/support	0.3	28.7	15.2	2.1	3.2	26.3	10.8	2.9
Services	0.2	38.8	9.7	1.7	4.9	17.5	6.0	1.1
Prec prod/crafts/rep	0.0	29.9	10.3	2.8	9.0	26.5	8.5	1.3
Oper/fbrctrs/lbrs	0.0	25.3	6.5	1.5	8.4	34.7	2.9	0.0
Farm/forest/fish	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	0.6	35.1	12.5	2.8	6.3	16.2	8.2	1.0
Other/unknown	0.7	36.9	15.1	2.3	3.8	16.3	7.8	0.7
Father's occupation								
Managerial	0.6	42.0	9.9	1.8	4.1	18.5	7.5	3.1
professional	0.4	25.1	12.9	3.8	3.7	21.2	9.5	3.5
Mktg/sales	0.0	35.0	13.2	1.0	8.2	16.7	8.6	2.2
Tech/support	0.0	31.7	7.8	0.9	4.7	24.8	5.7	3.0
Services	1.7	32.3	8.7	2.9	7.8	13.1	9.4	0.7
Prec prod/crafts/rep	0.7	32.0	14.5	2.6	5.6	18.9	8.2	1.1
Oper/fbrctrs/lbrs	0.9	33.1	12.7	3.2	5.6	19.0	8.4	0.3
Farm/forest/fish	0.8	28.7	19.2	0.0	12.2	17.2	4.4	0.0
Military	0.0	35.6	4.0	2.3	3.7	24.8	12.3	0.0
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	0.9	37.0	14.5	2.1	3.8	17.3	7.3	0.5

Table C.V.6b -- Percentage distribution of undergraduates seeking AA degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Mother's education						
Less than HS	1.1	0.1	1.5	2.1	0.9	7.6
High school only	1.2	0.0	1.2	2.4	2.8	10.5
Voc tech/lt 2 yrs pse	0.4	0.0	0.5	3.8	2.0	7.2
AA/gt 2 yrs pse	0.7	0.0	1.8	3.3	2.5	8.8
BA or BS	0.2	0.0	2.2	5.6	4.0	9.0
Advanced degree	0.0	0.0	3.0	4.5	1.6	17.9
Father's education						
Less than HS	1.3	0.0	1.1	2.2	1.3	8.5
High school only	0.4	0.0	2.0	2.7	2.5	9.4
Voc tech/lt 2 yrs pse	1.3	0.1	0.5	3.4	1.8	11.0
AA/gt 2 yrs pse	1.4	0.0	1.1	4.4	3.9	10.6
BA or BS	0.2	0.0	0.4	2.1	4.1	6.9
Advanced degree	0.0	0.0	1.7	7.1	5.6	8.3
Mother's occupation						
Managerial	0.4	0.1	3.3	2.7	4.1	7.7
professional	0.7	0.0	1.6	2.2	2.1	10.9
Mktg/sales	0.7	0.0	1.2	3.1	3.0	9.3
Tech/support	0.9	0.0	1.0	2.2	3.5	3.0
Services	0.9	0.1	2.5	5.1	1.9	9.6
Prec prod/crafts/rep	0.0	0.0	1.1	1.6	0.2	8.9
Oper/fbrctrs/lbrs	0.0	0.0	0.0	0.0	0.0	20.7
Farm/forest/fish	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	1.2	0.0	1.0	3.2	2.9	9.2
Other/unknown	0.5	0.0	1.1	3.2	1.8	10.0
Father's occupation						
Managerial	0.0	0.0	0.9	2.3	2.7	6.7
professional	0.5	0.0	3.1	4.3	3.2	9.0
Mktg/sales	2.9	0.0	1.4	1.6	1.9	7.5
Tech/support	0.7	0.0	1.9	5.5	5.1	8.3
Services	0.0	0.0	0.5	2.4	2.5	18.0
Prec prod/crafts/rep	0.7	0.0	1.6	2.5	3.1	8.7
Oper/fbrctrs/lbrs	0.0	0.1	3.1	2.8	0.2	10.4
Farm/forest/fish	4.7	0.0	0.7	5.7	0.4	6.0
Military	0.0	0.0	0.0	9.2	0.2	7.8
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	0.8	0.0	0.7	2.8	1.9	10.3

Table C.V.6a -- Percentage distribution of undergraduates seeking AA degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Enrollment level								
First year	1.1	35.0	12.6	2.2	5.9	17.3	8.1	1.3
Second year	0.3	34.6	11.7	2.3	3.8	19.4	7.7	1.7
Third year	0.7	29.5	16.4	2.1	5.1	19.1	9.8	0.5
Fourth year or more	0.0	38.7	18.9	0.5	8.0	14.5	5.6	2.0
Attendance status								
Full-time	1.0	32.7	13.1	2.7	5.2	18.9	7.3	1.9
Part-time	0.4	36.6	12.6	1.8	4.6	18.2	8.4	1.0
Type of institution								
Public 4-yr PhD	1.6	27.8	18.8	0.0	6.6	15.2	6.0	3.3
Private-np 4-yr PhD	0.0	34.5	11.3	3.0	1.4	14.2	1.1	2.7
Public 4-yr no PhD	1.5	31.7	14.6	2.3	2.7	12.7	15.8	2.1
Priv-np 4-yr no PhD	0.0	51.6	18.3	7.2	2.8	7.1	2.7	0.7
Public 2-yr	0.7	33.1	12.9	2.1	4.9	17.8	8.7	1.3
Private-np lt 4-yr	0.8	33.1	21.8	3.8	4.0	17.9	6.1	0.7
Private-fp lt 4-yr	0.0	48.8	2.4	2.3	6.3	33.1	0.3	3.3
Public lt 2-yr	0.0	30.2	35.2	0.0	15.1	17.7	1.8	0.0
Institution level								
Less than 2 years	0.0	38.2	12.4	2.5	13.4	32.5	0.5	0.0
2 to 3 years	0.7	34.2	12.5	2.1	4.8	18.7	8.1	1.5
4-yrs no PhD	0.8	39.7	15.8	4.4	2.7	12.5	9.5	1.4
4-yrs PhD	1.3	29.2	17.3	0.6	5.6	15.0	5.0	3.2
Institutional control								
Public	0.8	32.8	13.4	2.0	4.9	17.5	8.8	1.4
Private, non-profit	0.3	42.1	19.1	5.4	3.2	12.4	4.0	0.9
Private, for-profit	0.0	47.7	2.4	2.2	6.1	34.7	0.2	3.2

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.6b -- Percentage distribution of undergraduates seeking AA degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Enrollment level						
First year	0.4	0.0	1.1	2.3	2.5	10.0
Second year	1.0	0.0	1.8	4.0	2.0	9.6
Third year	2.0	0.1	0.2	3.1	2.7	8.7
Fourth year or more	0.4	0.0	1.2	1.6	5.5	3.1
Attendance status						
Full-time	0.7	0.0	1.3	3.3	2.9	9.1
Part-time	0.8	0.0	1.4	2.8	1.9	9.5
Type of institution						
Public 4-yr PhD	2.5	0.0	0.0	4.6	4.2	9.5
Private-np 4-yr PhD	0.0	1.4	2.4	9.3	5.6	13.1
Public 4-yr no PhD	0.4	0.0	1.4	4.0	2.0	8.9
Priv-np 4-yr no PhD	0.1	0.1	0.5	2.4	2.7	3.8
Public 2-yr	0.9	0.0	1.6	3.2	2.2	10.7
Private-np lt 4-yr	0.1	0.3	0.8	3.9	2.6	4.3
Private-fp lt 4-yr	0.0	0.1	0.1	0.0	3.3	0.1
Public lt 2-yr	0.0	0.0	0.0	0.0	0.0	0.0
Institution level						
Less than 2 years	0.0	0.3	0.0	0.0	0.4	0.0
2 to 3 years	0.8	0.0	1.4	3.1	2.4	9.8
4-yrs no PhD	0.3	0.1	1.0	3.2	2.2	6.4
4-yrs PhD	2.0	0.3	0.5	5.5	4.5	10.2
Institutional control						
Public	0.9	0.0	1.5	3.3	2.3	10.5
Private, non-profit	0.1	0.3	0.8	3.7	2.9	4.9
Private, for-profit	0.0	0.1	0.1	0.0	3.2	0.1

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.7a -- Percentage distribution of undergraduates seeking BA/BS degrees, by field of study and selected student and institutional characteristics: Fall 1986

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Total	1.1	26.3	7.7	1.0	0.9	16.1	11.3	4.1
Sex								
Male	1.5	27.5	2.8	0.2	1.5	26.6	7.3	4.0
Female	0.7	25.3	12.2	1.8	0.3	6.4	15.0	4.1
Race/ethnicity								
Asian	0.2	20.4	6.0	0.7	1.1	34.2	3.5	1.6
Black	0.2	29.3	9.9	1.2	0.9	16.1	12.0	5.0
Hispanic	0.6	27.1	7.1	1.6	0.7	17.8	8.6	3.8
Native American	0.1	26.6	10.2	1.8	1.4	9.7	13.6	3.2
White	1.3	26.4	7.6	1.0	0.8	14.8	11.9	4.2
Age								
23 years or younger	1.3	25.9	6.8	1.0	0.8	15.8	11.0	4.7
24 to 29 years	0.6	27.7	9.4	0.6	1.2	19.8	11.8	2.6
30 years or older	0.5	27.2	11.3	1.6	1.1	13.9	12.9	1.7
Family income status†								
Lt $11,000	1.1	23.7	8.7	0.7	1.0	17.5	12.0	3.5
$11,000-16,999	1.0	26.4	7.7	1.4	0.5	16.5	14.1	3.5
$17,000-22,999	1.4	25.5	9.6	1.3	0.3	16.6	12.6	4.2
$23,000-29,999	1.0	26.8	8.0	1.3	0.8	15.4	11.5	4.5
$30,000-49,999	1.2	25.3	7.4	0.7	1.0	17.6	11.9	4.5
$50,000 plus	1.3	28.7	6.5	0.9	0.9	14.8	8.2	4.4
Dependency status								
Dependent	1.3	26.0	6.9	1.0	0.8	16.0	10.9	4.7
Independent	0.6	27.4	10.0	1.3	1.0	16.4	12.7	2.4
Dependent student's family income†								
Lt $11,000	1.5	25.6	7.1	1.5	0.3	16.6	12.0	4.0
$11,000-16,999	0.3	23.5	8.5	0.9	0.4	18.0	14.4	3.0
$17,000-22,999	1.4	25.1	8.5	1.3	1.1	15.3	9.0	5.6
$23,000-29,999	1.5	25.4	6.2	1.3	1.0	14.8	13.0	4.4
$30,000-49,999	1.6	24.8	7.2	0.6	1.2	16.5	11.7	5.2
$50,000 plus	1.2	28.4	6.0	1.0	0.6	15.3	8.5	4.4
Independent student's income†								
No income	0.4	20.8	9.0	2.0	0.2	20.3	12.7	3.0
$1-11,000	1.1	24.3	8.1	1.2	0.9	17.0	12.2	3.4
$11,000-16,999	0.7	29.0	10.1	0.4	1.2	13.8	15.0	1.7
$17,000-22,999	0.3	29.9	10.8	2.2	0.8	15.9	13.4	1.5
$23,000-29,999	0.3	26.0	12.0	0.8	0.7	18.5	14.5	1.4
$30,000 plus	0.0	32.9	12.2	1.4	1.4	14.6	11.1	1.6

Table C.V.7b - Percentage distribution of undergraduates seeking BA/BS degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Total	3.3	0.7	7.3	11.1	3.9	5.2
Sex						
Male	1.9	1.0	8.5	9.5	3.2	4.6
Female	4.5	0.5	6.3	12.6	4.6	5.8
Race/ethnicity						
Asian	1.4	0.2	13.9	8.7	3.0	5.2
Black	1.8	0.6	6.3	9.6	3.0	4.2
Hispanic	4.9	0.4	6.7	11.3	3.8	5.8
Native American	3.2	0.0	8.2	17.2	1.9	3.0
White	3.5	0.8	7.1	11.3	4.1	5.3
Age						
23 years or younger	3.5	0.6	8.3	11.7	4.0	4.8
24 to 29 years	2.5	0.9	6.1	8.5	3.6	4.8
30 years or older	3.1	1.5	3.3	10.2	3.9	8.0
Family income status†						
Lt $11,000	3.4	1.5	7.2	9.5	3.8	6.5
$11,000-16,999	2.7	0.9	6.7	10.7	2.9	5.1
$17,000-22,999	2.9	0.8	7.4	10.6	3.2	3.5
$23,000-29,999	2.3	0.9	7.5	10.5	4.4	5.3
$30,000-49,999	3.4	0.7	7.7	10.2	4.3	4.4
$50,000 plus	3.9	0.5	8.6	12.5	3.9	4.9
Dependency status						
Dependent	3.4	0.6	8.2	11.5	4.1	4.9
Independent	2.8	1.2	5.0	9.9	3.4	6.3
Dependent student's family income†						
Lt $11,000	4.0	0.7	6.4	11.0	4.8	4.7
$11,000-16,999	3.1	0.5	8.6	11.0	2.4	5.7
$17,000-22,999	2.7	0.8	8.3	12.3	4.5	4.3
$23,000-29,999	3.9	0.8	7.8	10.5	4.2	5.3
$30,000-49,999	3.0	0.5	7.9	10.9	4.0	5.1
$50,000 plus	3.9	0.6	9.1	12.6	4.2	4.4
Independent student's income†						
No income	5.1	0.5	6.7	11.5	3.5	4.3
$1-11,000	2.9	1.2	6.0	10.9	4.5	6.4
$11,000-16,999	2.4	1.4	6.1	9.8	2.4	5.9
$17,000-22,999	3.2	0.8	3.2	11.6	2.3	4.1
$23,000-29,999	1.9	0.8	5.6	7.4	2.1	8.1
$30,000 plus	2.5	1.4	2.6	7.8	3.3	7.1

Table C.V.7a -- Percentage distribution of undergraduates seeking BA/BS degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Mother's education								
Less than HS	0.6	26.8	8.4	1.2	0.7	18.9	12.6	3.0
High school only	0.9	28.9	8.0	1.2	1.0	16.5	11.6	3.6
Voc tech/lt 2 yrs pse	1.3	26.7	7.9	1.2	0.8	15.0	11.7	4.3
AA/gt 2 yrs pse	1.3	25.7	8.1	0.9	1.0	14.5	10.7	4.1
BA or BS	1.7	24.1	7.4	0.6	1.0	15.7	10.4	5.4
Advanced degree	1.2	21.5	6.1	1.0	0.3	15.2	10.2	3.9
Father's education								
Less than HS	0.8	27.9	9.2	0.9	1.1	17.3	12.2	2.7
High school only	1.1	28.8	8.3	1.1	1.2	16.1	11.9	3.9
Voc tech/lt 2 yrs pse	1.2	27.1	8.8	1.4	0.5	15.1	12.5	3.9
AA/gt 2 yrs pse	0.9	25.0	7.1	0.8	0.5	15.8	11.6	4.9
BA or BS	1.4	25.2	6.4	0.6	0.8	16.5	9.5	4.9
Advanced degree	1.4	20.0	5.9	1.3	0.6	15.7	9.5	4.4
Mother's occupation								
Managerial	0.9	30.9	6.7	0.7	0.6	13.9	9.3	6.1
Professional	1.3	22.0	7.5	1.5	0.7	16.0	11.1	4.8
Mktg/sales	1.2	27.6	7.4	0.8	1.0	15.7	11.6	3.9
Tech/support	0.9	28.0	8.0	0.9	0.6	15.2	11.0	4.3
Services	0.6	24.2	8.4	0.5	0.2	17.9	14.5	3.6
Prec prod/crafts/rep	3.0	21.0	7.7	1.8	0.7	19.1	12.7	4.2
Oper/fbrctrs/lbrs	1.3	25.5	5.7	2.9	0.0	21.8	18.5	2.8
Farm/forest/fish	10.2	14.6	3.5	1.9	0.0	18.7	19.9	2.5
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	1.2	27.8	8.2	0.8	1.0	16.3	10.4	3.7
Other/unknown	0.6	26.6	8.1	1.2	1.2	16.2	11.5	3.1
Father's occupation								
Managerial	1.1	31.6	5.5	1.0	0.8	13.8	10.4	4.9
Professional	1.4	19.3	7.2	1.1	0.8	18.2	10.5	4.2
Mktg/sales	0.9	25.3	8.9	0.4	0.3	17.7	10.9	4.2
Tech/support	1.0	28.8	7.0	1.2	1.2	13.7	10.8	5.1
Services	0.4	25.3	7.8	1.2	1.3	16.4	14.5	3.9
Prec prod/crafts/rep	1.0	26.8	9.2	1.4	1.0	17.3	11.1	3.4
Oper/fbrctrs/lbrs	0.8	26.0	8.8	1.7	0.9	19.3	13.6	4.8
Farm/forest/fish	7.9	23.8	10.3	1.3	0.1	15.3	15.5	2.1
Military	2.8	18.7	3.1	0.0	0.0	23.3	8.5	4.4
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	0.4	27.0	9.1	0.8	1.0	15.2	12.0	3.1

Table C.V.7b -- Percentage distribution of undergraduates seeking BA/BS degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Mother's education						
Less than HS	3.0	1.1	5.7	11.1	2.4	4.5
High school only	2.8	0.6	6.5	9.6	3.4	5.5
Voc tech/lt 2 yrs pse	2.8	0.6	7.4	10.8	4.8	4.7
AA/gt 2 yrs pse	3.3	0.9	8.9	10.7	4.4	5.7
BA or BS	4.2	0.7	7.6	11.9	3.8	5.5
Advanced degree	4.5	0.8	10.5	14.7	5.1	5.1
Father's education						
Less than HS	2.4	1.2	5.4	10.9	3.1	5.0
High school only	2.7	0.6	6.4	9.7	3.4	4.9
Voc tech/lt 2 yrs pse	3.0	0.6	7.3	10.9	3.1	4.6
AA/gt 2 yrs pse	3.8	0.9	7.8	11.8	4.5	4.6
BA or BS	3.9	0.6	8.0	11.6	4.7	5.9
Advanced degree	5.3	0.9	10.9	13.3	5.1	5.7
Mother's occupation						
Managerial	3.8	1.2	8.3	9.5	3.7	4.5
Professional	4.2	0.8	8.8	12.0	4.6	4.8
Mktg/sales	3.2	0.6	7.5	11.1	3.6	4.8
Tech/support	3.3	0.5	6.3	14.1	3.8	3.4
Services	3.2	0.6	6.2	8.5	4.1	7.6
Prec prod/crafts/rep	2.2	1.0	6.1	10.9	3.5	6.4
Oper/fbrctrs/lbrs	1.3	0.0	4.0	7.5	4.0	4.9
Farm/forest/fish	1 2.59	1.4	12.0	6.0	4.0	2.8
Military	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Homemaker	2.8	0.6	7.4	10.6	3.5	5.7
Other/unknown	3.1	0.9	6.4	11.3	4.2	5.6
Father's occupation						
Managerial	3.1	0.6	7.7	11.1	3.7	4.8
Professional	4.8	0.6	9.9	12.3	5.1	4.8
Mktg/sales	3.3	0.5	8.1	8.9	5.8	4.8
Tech/support	2.3	0.9	6.9	11.6	3.4	6.1
Services	2.9	0.7	6.5	10.6	3.3	5.4
Prec prod/crafts/rep	3.3	0.7	7.7	9.8	2.9	4.8
Oper/fbrctrs/lbrs	2.0	0.6	2.9	10.6	3.4	4.6
Farm/forest/fish	2.7	0.7	6.6	8.2	2.9	2.8
Military	4.5	0.0	8.6	16.4	5.2	4.5
Homemaker	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other/unknown	2.9	1.1	5.6	11.6	3.5	6.6

Table C.V.7a -- Percentage distribution of undergraduates seeking BA/BS degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Agri-culture	Bus/ mktg	Health	Occup home econ	Trades and indus	Tech and engin	Educ/ public service	Commun -ication
Enrollment level								
First year	1.0	26.3	7.2	0.8	1.3	17.9	11.3	3.9
Second year	1.1	28.2	8.2	0.7	1.1	15.5	11.0	3.4
Third year	1.4	26.4	7.9	1.3	0.7	14.5	11.4	4.2
Fourth year or more	1.1	24.8	7.3	1.3	0.6	16.6	11.4	4.6
Attendance status								
Full-time	1.3	25.0	7.0	0.9	0.7	15.7	11.5	4.5
Part-time	0.5	31.0	10.1	1.5	1.5	17.4	10.8	2.7
Type of institution								
Public 4-yr PhD	2.1	22.3	7.9	1.3	0.3	18.9	9.7	5.2
Private-np 4-yr PhD	0.4	25.6	7.6	0.5	1.1	17.4	4.8	4.4
Public 4-yr no PhD	0.7	26.3	7.2	1.1	0.7	13.8	17.8	3.9
Priv-np 4-yr no PhD	0.1	33.8	8.4	0.6	0.8	9.4	9.6	2.8
Public 2-yr	0.9	30.7	7.4	1.4	2.5	17.2	11.9	1.9
Private-np lt 4-yr	1.6	26.0	16.7	0.2	1.9	18.9	18.4	0.7
Private-fp lt 4-yr	0.0	39.5	10.4	1.0	12.7	33.5	1.1	0.9
Public lt 2-yr	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Institution level								
Less than 2 years	0.5	38.1	19.9	2.2	26.2	10.0	2.1	0.0
2 to 3 years	0.9	30.7	7.5	1.4	2.5	17.7	11.9	1.8
4-yrs no PhD	0.4	29.1	7.6	0.9	0.7	12.6	14.4	3.5
4-yrs PhD	1.8	23.0	7.8	1.1	0.5	18.6	8.7	5.1
Institutional control								
Public	1.5	24.8	7.6	1.2	0.8	17.0	12.7	4.3
Private, non-profit	0.3	30.5	8.2	0.5	0.9	12.6	7.8	3.4
Private, for-profit	0.0	22.1	6.4	0.4	5.8	55.5	0.5	6.4

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.V.7b -- Percentage distribution of undergraduates seeking BA/BS degrees, by field of study and selected student and institutional characteristics: Fall 1986--Continued

	Letters/ lang	Human	Science and math	Social science	Fine arts	General study
Enrollment level						
First year	2.5	0.6	6.7	8.2	4.7	7.7
Second year	3.0	0.6	7.1	9.4	3.5	7.2
Third year	3.7	0.7	8.3	12.3	3.4	4.0
Fourth year or more	3.8	0.9	7.3	13.3	4.1	3.1
Attendance status						
Full-time	3.6	0.7	8.2	12.1	4.2	4.9
Part-time	2.3	0.9	4.5	7.5	2.8	6.5
Type of institution						
Public 4-yr PhD	3.4	0.3	7.6	11.5	3.8	5.8
Private-np 4-yr PhD	5.3	1.3	9.1	15.2	4.3	3.1
Public 4-yr no PhD	2.9	0.2	7.4	11.6	4.2	2.5
Priv-np 4-yr no PhD	3.4	2.4	8.8	12.0	4.6	3.5
Public 2-yr	1.9	0.7	3.3	4.1	2.5	13.8
Private-np lt 4-yr	0.0	1.6	2.1	2.0	0.2	9.8
Private-fp lt 4-yr	0.0	0.0	0.0	0.0	0.9	0.0
Public lt 2-yr	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Institution level						
Less than 2 years	0.0	0.0	0.0	0.8	0.4	0.0
2 to 3 years	1.9	0.7	3.2	4.0	2.4	13.5
4-yrs no PhD	3.1	1.0	7.9	11.7	4.4	2.8
4-yrs PhD	3.8	0.5	7.9	12.3	3.9	5.2
Institutional control						
Public	3.0	0.3	6.9	10.4	3.7	5.9
Private, non-profit	4.1	2.0	8.8	13.1	4.4	3.4
Private, for-profit	0.0	0.0	0.0	0.0	2.8	0.0

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.1 -- Percentage distribution of undergraduates, by dependency status at private institutions, by selected student and institutional characteristics: Fall 1986

	Non-profit 4-year PhD		Non-profit 4-year no PhD		Non-profit less than 4-year		For-profit less than 4-year	
	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep
Total	80.7	19.3	72.3	27.7	67.1	32.9	45.5	54.5
Sex								
Male	82.6	17.4	75.9	24.1	74.7	25.3	50.1	49.9
Female	78.7	21.3	69.6	30.4	62.6	37.4	43.2	56.8
Race/ethnicity								
Asian	85.4	14.6	77.5	22.5	71.8	28.2	50.7	49.3
Black	75.0	25.0	59.6	40.5	54.0	46.0	42.0	58.0
Hispanic	76.8	23.2	69.1	30.9	68.9	31.1	45.1	54.9
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	28.8	71.2
White	81.1	18.9	73.6	26.4	65.6	34.4	46.8	53.2
Age								
23 years or younger	95.5	4.5	92.6	7.4	91.8	8.2	73.9	26.1
24 to 29 years	46.5	53.5	38.5	61.5	30.4	69.6	22.6	77.4
30 years or older	10.8	89.2	10.8	89.3	12.7	87.3	5.8	94.2
Family income status[†]								
Lt $11,000	69.3	30.7	53.6	46.4	45.8	54.2	42.5	57.5
$11,000-16,999	77.8	22.2	66.2	33.8	58.9	41.1	51.2	48.8
$17,000-22,999	76.9	23.1	75.2	24.8	75.0	25.0	55.5	44.6
$23,000-29,999	81.5	18.6	77.6	22.4	81.4	18.6	59.5	40.5
$30,000-49,999	84.3	15.7	83.3	16.7	79.3	20.8	69.5	30.5
$50,000 plus	92.1	7.9	88.4	11.6	87.8	12.3	58.3	41.7

Table C.VI.1 -- Percentage distribution of undergraduates, by dependency status at private institutions, by selected student and institutional characteristics: Fall 1986--Continued

	Non-profit 4-year PhD		Non-profit 4-year no PhD		Non-profit less than 4-year		For-profit less than 4-year	
	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep
Attendance status								
Full-time	89.7	10.3	83.2	16.8	73.7	26.3	47.2	52.8
Part-time	38.7	61.3	34.7	65.3	51.5	48.5	36.5	63.5
Educational objective								
Certificate/award	44.4	55.6	56.3	43.7	63.1	36.9	40.8	59.2
Associate degree	51.7	48.3	59.1	40.9	64.2	35.8	56.5	43.5
Bachelor's degree	85.1	14.9	75.2	24.8	75.6	24.4	52.0	48.0
Other	49.2	50.8	54.1	45.9	66.0	34.0	46.1	53.9
No formal award	53.7	46.3	41.3	58.7	63.5	36.5	33.2	66.8
Undecided	87.2	12.8	87.4	12.6	90.9	9.1	Low-N	Low-N
Employment status								
Working full-time	34.1	65.9	30.1	69.9	38.6	61.4	34.8	65.2
Working part-time	83.9	16.1	76.7	23.3	72.3	27.7	60.5	39.5
Not employed	90.6	9.4	84.2	15.8	71.7	28.3	39.2	60.8

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.2 -- Percentage distribution of undergraduates, by dependency status at public institutions, by selected student and institutional characteristics: Fall 1986

	Non-profit 4-year PhD		Non-profit 4-year no PhD		Non-profit less than 4-year		For-profit less than 4-year	
	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep
Total	75.6	24.4	69.7	30.3	49.8	50.2	41.9	58.1
Sex								
Male	77.2	22.8	74.4	25.6	55.9	44.1	45.0	55.0
Female	74.1	25.9	65.8	34.2	45.1	54.9	39.5	60.5
Race/ethnicity								
Asian	80.4	19.6	66.8	33.2	55.4	44.6	Low-N	Low-N
Black	71.6	28.4	66.9	33.1	44.6	55.4	46.6	53.5
Hispanic	71.2	28.8	70.1	29.9	54.9	45.1	44.8	55.3
Native American	68.2	31.8	51.7	48.3	46.1	54.0	Low-N	Low-N
White	75.9	24.1	70.4	29.6	49.5	50.5	40.9	59.1
Age								
23 years or younger	91.7	8.3	91.5	8.5	87.5	12.5	82.1	17.9
24 to 29 years	40.7	59.3	43.2	56.8	34.4	65.6	16.7	83.3
30 years or older	11.4	88.6	13.0	87.0	10.7	89.3	14.9	85.1
Family income status[†]								
Lt $11,000	55.9	44.1	53.0	47.0	37.7	62.3	45.5	54.5
$11,000-16,999	68.8	31.2	72.6	27.4	52.7	47.3	52.1	47.9
$17,000-22,999	74.9	25.1	75.0	25.0	55.1	44.9	56.3	43.7
$23,000-29,999	76.7	23.3	75.0	25.0	60.2	39.8	36.7	63.3
$30,000-49,999	81.2	18.8	78.5	21.6	63.2	36.8	55.6	44.4
$50,000 plus	90.2	9.9	82.3	17.7	66.7	33.3	Low-N	Low-N

Table C.VI.2 -- Percentage distribution of undergraduates, by dependency status at public institutions, by selected student and institutional characteristics: Fall 1986--Continued

	Non-profit 4-year PhD		Non-profit 4-year no PhD		Non-profit less than 4-year		For-profit less than 4-year	
	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep	Finan depend	Finan indep
Attendance status								
Full-time	82.5	17.5	79.5	20.5	66.2	33.8	42.4	57.6
Part-time	49.3	50.7	44.0	56.1	40.5	59.5	40.5	59.5
Educational objective								
Certificate/award	56.4	43.7	43.7	56.3	44.0	56.0	43.7	56.3
Associate degree	68.6	31.4	64.4	35.7	53.0	47.1	39.5	60.5
Bachelor's degree	78.7	21.3	72.7	27.3	58.8	41.2	Low-N	Low-N
Other	46.4	53.6	43.9	56.1	37.6	62.4	37.0	63.0
No formal award	48.2	51.8	53.1	46.9	31.8	68.2	Low-N	Low-N
Undecided	90.6	9.4	84.0	16.1	54.7	45.3	Low-N	Low-N
Employment status								
Working full-time	33.4	66.6	37.1	62.9	34.0	66.0	37.5	62.5
Working part-time	76.9	23.1	75.1	24.9	65.8	34.2	57.7	42.3
Not employed	84.5	15.5	76.5	23.5	48.8	51.2	36.2	63.8

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.3 -- Percentage of dependent undergraduates receiving support for postsecondary education in private 4-year PH.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Total	74.5	93.1	65.1	45.8	51.3	40.7	$3436	$4475	$2768
Sex									
Male	76.6	93.4	64.6	45.7	51.4	40.9	3618	4792	2765
Female	72.2	92.7	65.6	46.0	51.3	40.5	3243	4136	2771
Race/ethnicity									
Asian	60.2	93.8	64.2	45.8	50.0	38.7	3546	5402	2665
Black	66.3	89.8	84.2	68.8	73.3	55.7	3564	5158	2545
Hispanic	67.3	94.4	70.8	56.2	62.5	47.5	3502	5096	2756
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	77.1	93.2	63.0	43.0	48.7	39.1	3399	4239	2807
Age									
23 yrs or younger	74.3	95.3	66.2	48.0	53.0	42.6	3448	4528	2776
24 to 29 yrs	78.3	73.1	51.9	21.5	32.4	20.7	3095	3742	2491
30 yrs or older	71.0	39.6	47.9	9.0	29.2	9.0	Low-N	Low-N	Low-N
Student's earnings									
No income	37.4	93.5	52.8	34.1	43.0	27.5	3483	4681	2655
$1-11,000	80.2	96.2	69.0	50.3	54.8	45.1	3444	4562	2782
$11,000-16,999	82.5	73.2	50.4	27.9	27.7	26.4	2762	1712	2788
$17,000-22,999	89.8	51.9	38.2	5.8	28.2	3.4	Low-N	Low-N	Low-N
$23,000-29,999	64.0	47.6	37.5	7.0	33.8	4.6	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	72.7	80.5	92.9	86.1	88.9	66.4	4270	6165	2611
$11,000-16,999	83.5	87.8	89.1	77.7	80.5	61.5	3662	5243	2642
$17,000-22,999	81.9	91.7	88.8	72.0	80.1	60.0	3771	5245	2904
$23,000-29,999	80.7	91.4	82.1	67.0	70.3	57.7	3556	4840	2824
$30,000-49,999	83.0	96.0	79.2	60.5	64.2	57.1	3231	4396	2715
$50,000 plus	67.6	97.3	46.2	24.1	30.7	23.2	3160	3540	2861
Dependent student's family income†									
Lt $11,000	70.4	84.5	75.8	62.3	68.8	48.1	4304	5701	2559
$11,000-16,999	81.0	88.3	88.8	80.0	80.6	61.7	3861	5318	2668
$17,000-22,999	81.2	87.9	93.9	71.0	82.8	57.2	3593	5081	2916
$23,000-29,999	78.9	91.8	81.9	62.6	71.6	54.3	3599	5037	2838
$30,000-49,999	79.0	94.4	73.7	54.3	57.9	51.5	3132	4228	2695
$50,000 plus	69.2	95.6	45.3	24.3	29.8	23.3	3107	3364	2898

Table C.VI.3 -- Percentage of dependent undergraduates receiving support for postsecondary education in private 4-year PH.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Mother's education									
Less than HS	74.0	85.8	77.4	60.5	69.5	47.4	3331	4934	2573
High school only	79.6	88.7	73.0	55.4	59.4	49.0	3590	4592	2753
Voc tech/lt 2yrs pse	72.3	94.9	70.3	52.1	56.5	47.1	3369	4327	2813
AA/gt 2 yrs pse	78.0	94.0	65.3	46.4	51.4	41.5	3331	4048	2920
BA or BS	74.5	95.7	58.8	38.8	46.3	34.6	3459	4450	2750
Advanced degree	71.6	96.8	56.4	35.1	39.5	32.9	3277	4543	2768
Father's education									
Less than HS	73.6	85.6	73.5	57.0	65.6	41.8	3398	5031	2471
High school only	79.4	90.5	72.1	55.8	59.1	49.8	3493	4567	2730
Voc tech/lt 2yrs pse	77.0	92.1	72.0	54.1	57.6	49.6	3510	4070	2870
AA/gt 2 yrs pse	80.1	94.5	68.0	51.5	56.7	42.8	3698	4747	2836
BA or BS	74.2	94.7	59.8	40.1	45.6	36.6	3327	4254	2830
Advanced degree	69.7	96.4	57.4	34.1	41.1	32.3	3256	4349	2722
Enrollment level									
First year	73.4	94.1	68.0	48.8	56.6	42.5	3415	4583	2872
Second year	75.4	94.2	65.3	47.7	52.1	41.5	3444	4343	2776
Third year	75.6	93.0	66.5	49.1	52.3	43.8	3642	4578	2708
Fourth year or more	73.4	93.1	62.0	42.2	46.3	38.8	3239	4399	2681
Attendance status									
Full-time	74.3	95.3	67.0	48.4	53.5	43.1	3458	4567	2769
Part-time	75.9	69.3	44.0	17.5	27.7	15.1	2798	2559	2736
Educational objective									
Certificate/award	63.6	87.5	39.3	29.3	34.3	21.7	Low-N	Low-N	Low-N
Associate degree	73.3	88.2	58.7	41.0	42.4	26.2	Low-N	Low-N	Low-N
Bachelor's degree	75.0	94.0	66.0	47.6	52.6	42.5	3470	4503	2785
Other	75.4	84.8	58.1	24.5	38.7	20.8	2926	4555	2433
No formal award	50.8	64.3	54.9	16.8	30.6	17.3	Low-N	Low-N	Low-N
Undecided	68.5	89.2	57.9	37.3	44.2	35.8	2725	4114	Low-N
Employment status									
Working full-time	81.6	63.9	44.4	21.3	30.4	17.4	2873	2875	2675
Working part-time	83.0	93.3	74.6	56.7	60.2	51.5	3408	4302	2714
Not employed	66.7	96.0	57.7	39.5	46.0	34.2	3451	4639	2839

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.4 -- Percentage of independent undergraduates receiving support for postsecondary education in private 4-year Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	80.9	19.9	63.9	38.9	49.1	29.1	$3371	$3316	$2708
Sex									
Male	82.6	19.6	65.1	43.8	51.6	33.3	3702	3682	2742
Female	79.5	20.2	62.8	34.9	47.0	25.7	3022	2978	2672
Race/ethnicity									
Asian	74.2	32.9	59.3	40.2	44.9	32.4	Low-N	Low-N	Low-N
Black	71.2	25.1	82.4	66.3	70.1	43.4	3153	3553	2608
Hispanic	73.8	23.4	75.0	51.3	56.0	30.1	3298	4259	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	83.3	17.8	60.9	34.2	46.2	26.9	3341	2984	2711
Age									
23 yrs or younger	80.8	44.5	86.6	75.1	74.9	61.1	4081	4968	2609
24 to 29 yrs	81.9	26.3	67.1	41.8	48.0	33.4	3096	2904	2756
30 yrs or older	80.3	7.6	53.9	24.6	40.7	15.5	2876	2523	2788
Student's earnings									
No income	64.4	25.1	71.4	54.1	58.2	35.5	3088	4157	2582
Lt $11,000	85.6	40.6	82.5	67.9	70.5	53.1	3857	4136	2765
$11,000-16,999	84.5	14.9	75.2	48.5	43.5	37.6	2822	2937	2744
$17,000-22,999	86.6	14.3	56.4	20.0	33.1	14.6	Low-N	1574	Low-N
$23,000-29,999	81.3	6.0	43.0	10.9	33.9	9.9	Low-N	1842	Low-N
$30,000 plus	80.8	5.7	44.0	10.7	35.8	8.0	Low-N	1985	Low-N
Family income status†									
Lt $11,000	79.6	19.1	72.1	49.0	63.7	35.7	3854	3411	2895
$11,000-16,999	93.0	24.1	65.9	40.5	52.9	31.0	Low-N	3921	Low-N
$17,000-22,999	79.1	22.2	74.1	42.7	56.6	31.4	2834	3100	Low-N
$23,000-29,999	87.9	27.2	53.5	35.2	34.8	33.4	4268	4052	2681
$30,000-49,999	83.1	20.8	63.3	39.1	51.0	28.1	3027	2991	2729
$50,000 plus	80.9	24.7	56.2	26.9	37.2	23.4	3042	3273	2588
Independent student's income†									
No income	66.3	24.6	54.4	33.5	46.7	21.1	3471	5030	Low-N
$1-11,000	77.0	36.9	89.3	77.6	77.0	57.9	3840	3964	2798
$11,000-16,999	89.7	24.7	73.2	51.7	56.4	36.9	2744	3394	2661
$17,000-22,999	77.5	22.6	66.4	31.6	38.5	26.6	2934	2553	Low-N
$23,000-29,999	88.0	7.4	47.8	20.5	31.0	16.1	Low-N	2523	Low-N
$30,000 plus	84.8	6.8	48.2	14.3	35.3	11.3	2807	1961	2718

Table C.VI.4 -- Percentage of independent undergraduates receiving support for postsecondary education in private 4-year Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Mother's education									
Less than HS	80.2	18.1	65.6	39.0	50.9	27.1	3124	2855	2852
High school only	83.3	16.0	57.9	32.6	41.8	26.4	3425	3124	2624
Voc tech/lt 2yrs pse	82.3	23.6	58.9	36.5	45.0	31.4	3517	3267	2409
AA/gt 2 yrs pse	82.7	17.9	78.5	46.9	60.1	33.4	Low-N	2618	Low-N
BA or BS	84.1	25.4	69.8	43.7	52.7	32.6	3377	3106	2735
Advanced degree	79.9	36.9	64.4	45.4	50.4	34.6	3734	4931	3145
Father's education									
Less than HS	78.7	19.2	66.4	36.9	49.7	29.3	3418	3001	2535
High school only	81.4	13.8	62.3	35.6	48.0	24.2	3049	2887	2746
Voc tech/lt 2yrs pse	90.4	22.1	58.5	32.0	44.7	26.8	3814	3331	2532
AA/gt 2 yrs pse	78.2	30.8	68.8	44.0	52.9	35.9	3431	2865	Low-N
BA or BS	84.5	22.8	60.9	44.4	44.2	34.8	3648	3516	2950
Advanced degree	78.6	34.5	68.6	42.4	51.1	34.6	3279	4047	2541
Enrollment level									
First year	64.6	14.9	60.2	34.7	46.7	18.2	3306	3658	Low-N
Second year	79.6	19.0	72.1	47.5	55.7	35.8	3083	3239	2518
Third year	81.9	23.0	69.9	47.3	55.0	35.5	3593	3529	2818
Fourth year or more	84.8	26.6	67.1	47.9	52.6	38.7	3383	3081	2713
Attendance status									
Full-time	80.0	32.6	81.3	68.8	68.9	51.0	3580	4270	2771
Part-time	81.6	10.0	50.2	15.5	33.5	12.0	2639	1772	2500
Educational objective									
Certificate/award	74.7	9.0	41.3	9.7	28.2	7.7	Low-N	Low-N	Low-N
Associate degree	61.4	21.9	68.3	44.1	57.3	13.7	Low-N	Low-N	Low-N
Bachelor's degree	82.9	23.0	70.2	48.9	55.8	38.0	3521	3423	2699
Other	84.1	15.4	52.9	19.8	36.3	15.5	2875	3667	2946
No formal award	73.3	5.6	36.8	2.5	18.5	2.5	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	82.1	9.5	50.6	20.4	37.9	14.1	2609	1957	2583
Working part-time	82.3	25.7	76.7	53.7	59.7	44.0	3535	3420	2753
Not employed	76.3	29.0	67.7	51.8	52.8	34.5	3563	4619	2719

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.5 -- Percentage of dependent undergraduates receiving support for postsecondary education in private 4-year non-Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	74.4	91.0	73.1	52.1	60.9	45.2	$3099	$3301	$2508
Sex									
Male	77.3	91.6	71.3	51.7	58.4	44.6	3093	3330	2523
Female	72.0	90.5	74.5	52.4	62.9	45.6	3105	3279	2496
Race/ethnicity									
Asian	52.4	91.0	60.3	41.9	51.9	38.1	3648	4771	2674
Black	64.9	86.7	87.6	75.8	78.7	58.8	3581	4075	2440
Hispanic	73.4	87.1	77.3	58.5	62.6	40.9	3070	4414	2488
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	75.8	91.4	72.2	50.3	59.7	44.4	3031	3139	2513
Age									
23 yrs or younger	74.4	94.1	75.9	54.8	63.7	47.7	3102	3342	2512
24 to 29 yrs	76.4	66.5	43.9	26.2	31.1	20.7	3064	2386	2417
30 yrs or older	67.6	36.7	39.8	17.9	30.0	11.1	Low-N	2457	Low-N
Student's earnings									
No income	41.2	91.0	66.6	48.5	59.7	39.1	3348	3615	2413
$1-11,000	79.1	94.5	77.1	55.5	64.2	48.6	3095	3310	2514
$11,000-16,999	83.9	71.9	42.6	25.8	20.5	20.3	Low-N	Low-N	Low-N
$17,000-22,999	82.2	43.3	30.3	8.9	21.0	7.6	Low-N	Low-N	Low-N
$23,000-29,999	61.8	33.8	35.9	6.8	26.0	6.8	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	74.5	80.2	95.2	88.3	92.3	63.8	3779	4426	2305
$11,000-16,999	80.7	87.2	95.8	85.9	88.0	69.8	3627	4298	2511
$17,000-22,999	81.8	86.8	87.0	76.5	80.2	65.4	3275	3811	2498
$23,000-29,999	83.0	93.5	85.7	69.6	76.6	59.4	2905	3482	2550
$30,000-49,999	80.2	95.4	80.2	58.8	65.2	53.8	2812	2934	2506
$50,000 plus	65.2	96.8	53.2	23.1	36.7	22.3	2790	2327	2594
Dependent student's family income†									
Lt $11,000	75.0	79.5	83.3	72.2	78.1	52.7	3854	4414	2305
$11,000-16,999	74.7	88.2	92.3	83.7	87.1	69.3	3712	4332	2452
$17,000-22,999	80.9	90.6	94.2	83.3	88.4	67.8	3269	3881	2470
$23,000-29,999	75.6	86.1	83.7	69.2	73.7	59.9	2993	3683	2644
$30,000-49,999	79.1	93.6	79.1	54.2	65.3	49.0	2774	2804	2509
$50,000 plus	67.5	94.5	51.2	23.7	34.7	23.5	2643	2261	2586

Table C.VI.5 -- Percentage of dependent undergraduates receiving support for postsecondary education in private 4-year non-Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Mother's education									
Less than HS	75.6	80.8	72.6	58.6	66.5	43.0	3110	3906	2442
High school only	75.7	89.8	81.0	62.8	69.1	55.5	3201	3343	2457
Voc tech/lt 2yrs pse	73.1	91.2	77.3	58.2	66.2	49.6	3038	3304	2498
AA/gt 2 yrs pse	76.2	94.5	77.1	56.5	66.4	51.5	3093	3232	2688
BA or BS	75.4	94.2	65.8	43.0	50.7	37.4	3030	3292	2531
Advanced degree	72.7	95.4	62.0	31.6	47.1	29.3	2990	2897	2588
Father's education									
Less than HS	72.2	81.0	73.6	62.6	66.9	46.7	3094	4089	2258
High school only	79.9	90.6	80.4	62.3	69.6	54.2	3097	3235	2441
Voc tech/lt 2yrs pse	76.1	90.0	79.3	60.6	68.9	51.7	3153	3378	2550
AA/gt 2 yrs pse	75.7	92.1	73.8	50.7	63.0	46.4	3293	3362	2817
BA or BS	72.2	94.0	67.3	42.3	51.5	38.7	2975	3045	2542
Advanced degree	68.5	95.6	61.5	34.3	46.9	30.5	3053	3164	2519
Enrollment level									
First year	73.6	93.0	76.3	54.3	66.1	47.1	3021	3475	2448
Second year	74.4	92.5	74.8	57.0	62.9	49.3	3201	3184	2593
Third year	75.4	89.0	71.6	49.7	58.1	43.1	3050	3355	2494
Fourth year or more	74.1	91.5	69.7	48.8	55.8	42.2	3145	3132	2494
Attendance status									
Full-time	74.8	94.1	77.0	55.8	65.0	48.3	3131	3376	2514
Part-time	70.6	65.3	40.5	21.5	26.5	18.8	2430	1774	2385
Educational objective									
Certificate/award	57.4	88.2	54.7	37.5	47.3	32.8	Low-N	2616	Low-N
Associate degree	68.5	80.7	65.5	46.1	52.9	36.4	2839	2388	2565
Bachelor's degree	75.4	92.3	74.4	53.7	62.1	46.8	3113	3365	2509
Other	79.7	77.1	61.6	33.3	47.2	28.5	3320	3131	2642
No formal award	65.6	79.8	69.2	40.0	54.6	28.8	Low-N	Low-N	Low-N
Undecided	62.7	94.1	74.8	46.9	65.6	44.9	3131	3135	2286
Employment status									
Working full-time	75.8	60.6	43.1	22.9	30.3	20.1	2505	1899	2396
Working part-time	81.5	92.8	79.6	59.4	65.8	51.2	3011	3306	2515
Not employed	68.8	93.7	71.0	50.6	61.4	44.0	3193	3373	2506

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.6 -- Percentage of independent undergraduates receiving support for postsecondary education in private 4-year non-Ph.D.- granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	78.3	18.3	62.9	43.4	52.7	33.0	$3208	$2943	$2388
Sex									
Male	80.0	19.4	64.2	43.6	53.8	32.5	3276	2942	2453
Female	77.4	17.7	62.2	43.2	52.0	33.3	3168	2943	2350
Race/ethnicity									
Asian	75.8	17.9	61.0	40.6	52.4	27.2	Low-N	Low-N	Low-N
Black	75.2	25.8	82.1	68.3	73.3	42.2	2976	2923	2254
Hispanic	76.9	16.8	71.3	60.2	63.6	33.3	2626	3719	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	78.9	17.4	60.0	39.0	49.3	31.9	3248	2820	2398
Age									
23 yrs or younger	83.7	47.4	88.8	78.4	80.0	65.4	3743	3778	2466
24 to 29 yrs	78.2	19.8	67.1	47.0	56.1	35.2	3145	2731	2333
30 yrs or older	76.5	7.6	52.1	29.6	41.8	20.9	2768	2522	2346
Student's earnings									
No income	68.1	19.1	78.3	66.6	69.2	43.0	3115	3531	2160
$1-11,000	80.9	34.7	83.8	72.5	75.4	58.1	3550	3447	2478
$11,000-16,999	80.9	9.6	58.8	38.3	36.5	32.6	2673	2003	2254
$17,000-22,999	85.0	8.8	46.2	19.0	32.0	12.0	1678	1727	Low-N
$23,000-29,999	78.2	5.0	39.1	6.3	34.8	2.0	Low-N	1545	Low-N
$30,000 plus	76.8	3.7	38.4	7.2	32.3	5.1	Low-N	1639	Low-N
Family income status†									
Lt $11,000	74.7	22.1	75.2	62.9	68.4	41.9	3652	3829	2363
$11,000-16,999	81.8	24.5	76.8	56.5	63.7	41.6	3102	3182	2265
$17,000-22,999	78.3	20.1	75.8	52.1	64.7	39.6	2712	2706	2320
$23,000-29,999	78.3	25.7	71.6	46.5	58.0	37.5	3568	3090	2461
$30,000-49,999	84.3	20.1	52.8	34.3	43.4	28.4	3265	2718	2532
$50,000 plus	81.3	24.4	48.5	25.5	40.9	22.2	3227	2504	Low-N
Independent student's income†									
No income	67.0	26.4	49.3	29.2	45.0	20.8	3899	3830	2844
$1-11,000	76.6	33.4	89.0	81.6	80.9	62.2	3590	3578	2348
$11,000-16,999	81.1	19.7	71.2	58.0	61.8	40.3	2836	2792	2393
$17,000-22,999	79.0	13.9	58.3	39.8	45.6	32.2	2509	2470	2409
$23,000-29,999	76.2	8.8	62.3	34.1	42.2	29.7	2406	2269	2295
$30,000 plus	82.7	5.4	38.8	7.6	29.3	5.5	2146	1542	Low-N

Table C.VI.6 -- Percentage of independent undergraduates receiving support for postsecondary education in private 4-year non-Ph.D.- granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Mother's education									
Less than HS	81.1	15.1	61.6	36.6	51.2	29.3	3190	2695	2235
High school only	79.3	16.1	61.8	43.6	49.9	32.0	2997	2906	2360
Voc tech/lt 2yrs pse	71.1	20.5	65.8	48.7	57.2	39.8	3795	3218	2368
AA/gt 2 yrs pse	84.7	27.4	63.2	38.7	53.5	31.2	Low-N	3698	Low-N
BA or BS	82.5	23.4	64.1	45.7	56.7	39.4	3477	2589	2510
Advanced degree	78.4	39.4	60.5	45.5	50.7	41.6	3164	3597	2484
Father's education									
Less than HS	80.1	11.6	57.6	34.5	46.9	28.0	2942	2624	2124
High school only	78.6	15.3	61.0	41.6	50.8	30.9	3147	2912	2348
Voc tech/lt 2yrs pse	74.4	21.9	66.2	46.0	53.5	36.0	3310	3133	2425
AA/gt 2 yrs pse	85.9	23.5	69.9	49.9	53.5	39.9	3741	3352	Low-N
BA or BS	78.5	27.9	65.6	50.2	58.6	37.7	3229	2975	2671
Advanced degree	79.8	33.1	64.5	41.9	58.8	39.6	3967	3080	2783
Enrollment level									
First year	76.7	15.5	68.7	46.0	58.7	30.5	3162	2937	2254
Second year	80.9	21.6	69.0	53.1	58.5	40.5	3170	3074	2271
Third year	78.9	22.0	64.6	44.7	55.2	35.7	3283	3088	2383
Fourth year or more	75.9	18.0	62.8	44.6	54.4	35.0	3329	2943	2473
Attendance status									
Full-time	78.3	30.3	84.8	73.0	76.9	56.1	3505	3622	2472
Part-time	78.4	7.6	43.4	16.9	31.1	12.5	2069	1444	2052
Educational objective									
Certificate/award	86.0	11.5	58.2	31.3	45.1	25.5	Low-N	Low-N	Low-N
Associate degree	75.2	10.4	58.0	40.2	42.5	28.8	2547	2255	2283
Bachelor's degree	78.5	20.7	67.5	49.0	58.9	37.5	3308	3129	2376
Other	81.8	13.7	44.0	19.4	26.9	16.7	Low-N	2137	Low-N
No formal award	80.7	9.2	32.1	5.8	18.5	1.9	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	78.1	5.9	46.1	18.5	34.2	13.4	2422	1781	2209
Working part-time	81.1	27.5	73.8	60.4	64.1	48.9	3386	3208	2457
Not employed	74.9	27.9	76.4	63.7	69.2	46.7	3397	3572	2363

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.7 -- Percentage of dependent undergraduates receiving support for postsecondary education in private, non-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	62.4	79.8	66.8	43.6	50.2	33.6	$2601	$2336	$2239
Sex									
Male	61.9	76.8	65.0	39.7	46.8	31.1	2791	2342	2279
Female	62.8	82.0	68.1	46.4	52.6	35.4	2486	2333	2214
Race/ethnicity									
Asian	66.1	81.1	68.9	53.7	61.4	34.6	Low-N	Low-N	Low-N
Black	65.0	88.6	76.3	60.2	66.9	43.4	2976	2628	2363
Hispanic	55.7	86.6	79.0	64.9	75.6	48.6	3842	2711	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	67.8	86.7	64.6	44.7	52.2	34.4	2448	2285	2259
Age									
23 years or younger	61.7	81.8	68.9	44.6	51.6	35.1	2602	2348	2214
24 to 29 years	80.8	78.2	51.2	36.5	44.2	18.9	2140	1919	Low-N
30 years or older	47.8	35.5	42.6	33.4	27.5	23.8	Low-N	Low-N	Low-N
Student's earnings									
No income	30.5	67.8	76.7	35.3	43.7	23.6	2948	2700	2415
$1-11,000	70.3	86.0	68.2	48.2	54.2	38.3	2555	2316	2213
$11,000-16,999	75.8	68.1	38.0	24.1	26.6	14.3	Low-N	Low-N	Low-N
$17,000-22,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$23,000-29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status[†]									
Lt $11,000	80.0	82.2	94.6	70.2	72.0	46.5	3283	3019	2337
$11,000-16,999	72.0	83.5	90.9	81.2	84.0	50.0	2607	2831	2219
$17,000-22,999	62.7	73.0	77.7	64.9	72.0	49.9	2346	2214	1892
$23,000-29,999	67.8	89.5	68.8	50.8	54.3	43.1	2547	2343	2277
$30,000-49,999	69.7	90.5	70.1	40.8	51.8	38.4	2569	1962	2364
$50,000 plus	61.9	95.6	41.4	18.2	31.4	15.6	2187	1815	2298
Adjusted family income[†]									
Lt $11,000	75.0	79.5	83.3	72.2	78.1	52.7	3854	4414	2305
$11,000-16,999	74.7	88.2	92.3	83.7	87.1	69.3	3712	4332	2452
$17,000-22,999	80.9	90.6	94.2	83.3	88.4	67.8	3269	3881	2470
$23,000-29,999	75.6	86.1	83.7	69.2	73.7	59.9	2993	3683	2644
$30,000-49,999	79.1	93.6	79.1	54.2	65.3	49.0	2774	2804	2509
$50,000 plus	67.5	94.5	51.2	23.7	34.7	23.5	2643	2261	2586

Table C.VI.7 -- Percentage of dependent undergraduates receiving support for postsecondary education in private, non-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Mother's education									
Less than HS	57.8	68.4	79.4	45.7	49.8	30.1	2817	2684	2343
High school only	64.4	81.9	67.5	49.8	54.5	38.2	2589	2388	2268
Voc tech/lt 2 yrs pse	67.9	85.2	68.1	48.0	59.6	40.1	2484	1937	1979
AA/gt 2 yrs pse	74.9	89.4	68.7	43.3	56.6	35.6	2400	1889	2349
BA or BS	69.9	91.4	58.2	38.4	46.4	32.1	2573	2363	2421
Advanced degree	64.2	94.5	47.9	26.6	34.6	24.0	2443	2370	2137
Father's education									
Less than HS	58.2	66.3	81.2	49.5	52.9	30.8	2752	2798	2205
High school only	61.3	76.9	66.0	43.9	48.4	32.5	2583	2287	2410
Voc tech/lt 2 yrs pse	69.0	92.4	72.7	49.8	61.8	42.6	2358	1980	1925
AA/gt 2 yrs pse	77.6	89.1	73.0	52.6	55.9	45.1	2771	2383	2554
BA or BS	65.6	92.6	53.7	28.7	43.0	25.5	2571	2223	2229
Advanced degree	66.2	95.2	49.8	30.0	35.4	25.2	2478	2358	2407
Enrollment level									
First year	60.0	79.1	65.8	43.1	47.2	34.0	2698	2405	2238
Second year	73.0	86.9	71.1	51.5	59.9	41.3	2614	2303	2308
Third year	52.2	82.3	66.4	45.1	56.4	30.5	2101	2028	1952
Fourth year or more	67.2	77.7	53.7	33.6	48.1	17.3	Low-N	2347	Low-N
Attendance status									
Full-time	67.0	89.0	70.9	51.1	58.6	40.0	2665	2459	2276
Part-time	47.1	49.0	53.1	18.4	22.0	12.1	2001	1238	Low-N
Educational objective									
Certificate/award	63.0	78.2	72.3	40.1	45.1	31.7	2683	2212	2320
Associate degree	71.1	89.6	69.8	52.9	57.9	40.2	2618	2363	2335
Bachelor's degree	67.6	93.5	64.2	42.5	56.9	32.3	2629	2567	2167
Other	54.0	66.7	71.6	53.2	54.6	47.0	Low-N	2044	Low-N
No formal award	39.4	51.1	37.5	19.8	35.3	11.2	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	66.8	54.9	63.4	27.5	34.0	19.6	2289	1713	Low-N
Working part-time	67.6	78.8	70.6	49.4	51.3	40.5	2524	2203	2209
Not employed	56.8	84.3	63.1	40.6	50.6	28.9	2721	2571	2335

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.8 -- Percentage of independent undergraduates receiving support for postsecondary education in private, non-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	68.3	21.1	72.6	60.6	60.3	41.8	$2802	$2268	$2386
Sex									
Male	70.6	18.3	59.7	46.8	49.5	32.7	2846	2242	2444
Female	67.3	22.2	77.7	66.1	64.6	45.5	2790	2276	2370
Race/ethnicity									
Asian	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Black	74.3	16.1	73.5	62.0	62.4	48.2	3249	2648	2278
Hispanic	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	67.1	21.7	71.7	59.7	60.1	40.0	2709	2190	2413
Age									
23 years or younger	76.1	40.5	93.1	86.0	82.6	55.1	2953	2795	2442
24 to 29 years	60.3	27.8	79.7	71.4	64.9	51.9	2985	2228	2310
30 years or older	70.4	11.3	62.1	46.5	50.7	32.0	2553	2032	2428
Student's earnings									
No income	46.8	28.0	88.8	83.1	81.4	49.2	3041	2498	2383
$1-11,000	78.0	27.6	83.9	72.4	69.7	53.0	2972	2525	2447
$11,000-16,999	82.7	15.6	62.4	49.3	47.9	36.3	2256	1779	2231
$17,000-22,999	81.7	16.0	54.3	37.0	41.2	28.5	Low-N	Low-N	Low-N
$23,000-29,999	47.5	3.5	31.5	14.6	22.2	11.1	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	52.3	18.6	73.5	66.7	65.8	46.1	3218	2739	2444
$11,000-16,999	65.9	26.9	86.4	72.2	74.4	33.2	2193	1811	Low-N
$17,000-22,999	73.3	27.9	76.4	62.7	63.0	41.3	2512	2221	Low-N
$23,000-29,999	74.1	35.7	77.2	57.9	53.9	49.1	Low-N	Low-N	Low-N
$30,000-49,999	90.3	24.8	65.2	55.4	47.0	46.3	2644	2570	2262
$50,000 plus	78.3	26.3	71.0	61.4	54.8	46.1	Low-N	Low-N	Low-N
Adjusted student/spouse income†									
No income	67.0	26.4	49.3	29.2	45.0	20.8	3899	3830	2844
$1-11,000	76.6	33.4	89.0	81.6	80.9	62.2	3590	3578	2348
$11,000-16,999	81.1	19.7	71.2	58.0	61.8	40.3	2836	2792	2393
$17,000-22,999	79.0	13.9	58.3	39.8	45.6	32.2	2509	2470	2409
$23,000-29,999	76.2	8.8	62.3	34.1	42.2	29.7	2406	2269	2295
$30,000 plus	82.7	5.4	38.8	7.6	29.3	5.5	2146	1542	Low-N

Table C.VI.8 -- Percentage of independent undergraduates receiving support for postsecondary education in private, non-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Pct w/ any aid	Pct w/ fed aid	Pct w/ grants	Pct w/ loans	Avg amt any aid	Avg amt grants	Avg amt loans
Mother's education									
Less than HS	60.1	12.7	78.6	66.4	73.0	43.4	2802	2501	2251
High school only	67.7	27.8	71.7	59.3	55.6	39.7	2612	2089	2397
Voc tech/lt 2 yrs pse	75.6	18.9	61.4	54.1	51.8	33.8	2665	2086	2432
AA/gt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
BA or BS	83.9	35.2	73.0	63.9	51.1	49.7	Low-N	Low-N	Low-N
Advanced degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Father's education									
Less than HS	59.3	21.7	73.8	59.0	65.5	37.2	2683	2305	2351
High school only	71.9	18.2	67.5	56.8	57.1	38.3	2715	2084	2292
Voc tech/lt 2 yrs pse	70.3	24.3	79.3	69.2	63.0	46.3	2757	2366	2460
AA/gt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
BA or BS	68.6	31.8	72.7	71.3	54.5	58.9	3175	Low-N	Low-N
Advanced degree	78.0	25.9	64.2	48.8	49.7	41.7	Low-N	Low-N	Low-N
Enrollment level									
First year	71.4	21.3	70.7	61.9	59.3	40.8	2745	2515	2397
Second year	70.5	17.3	83.6	68.1	72.6	51.6	2996	2248	2306
Third year	77.4	16.4	79.6	63.8	65.6	50.1	2513	1590	2422
Fourth year or more	72.0	24.9	63.7	42.3	46.6	28.7	Low-N	Low-N	Low-N
Attendance status									
Full-time	67.8	27.1	85.0	78.2	73.1	57.0	3035	2684	2381
Part-time	68.8	13.4	56.7	38.2	44.0	22.6	2189	1382	2403
Educational objective									
Certificate/award	60.9	27.2	68.8	62.9	53.9	43.4	2798	2546	2415
Associate degree	75.6	14.9	77.7	63.3	66.0	47.7	2983	2225	2430
Bachelor's degree	75.0	17.2	68.5	48.4	60.6	36.4	2799	1891	Low-N
Other	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
No formal award	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	70.4	7.9	55.7	35.0	45.2	25.3	2232	1510	2292
Working part-time	81.0	23.3	75.7	65.4	59.5	52.4	2924	2280	2400
Not employed	56.6	29.1	81.6	74.9	71.8	45.2	2906	2587	2409

† See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.9 -- Percentage of dependent undergraduates receiving support for postsecondary education in public 4-year Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Total	77.1	91.2	46.1	30.5	31.7	24.4	$2516	$1954	$2066
Sex									
Male	81.0	90.8	43.9	28.0	29.6	22.1	2545	2015	2128
Female	73.2	91.5	48.3	33.0	33.7	26.7	2494	1902	2016
Race/ethnicity									
Asian	62.6	90.5	45.0	26.9	34.5	15.3	2453	2926	1958
Black	71.9	82.3	79.3	65.2	66.3	45.0	3000	2419	2088
Hispanic	76.8	88.8	61.5	43.3	46.6	32.3	2648	2245	2012
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	78.6	92.1	42.7	27.4	28.0	23.1	2418	1749	2067
Age									
23 years or younger	77.1	92.8	47.3	31.6	33.1	25.4	2518	1938	2062
24 to 29 years	75.5	78.5	32.4	19.1	17.4	14.2	2392	2263	1887
30 years or older	84.2	56.7	37.7	18.0	16.2	11.4	Low-N	Low-N	Low-N
Student's earnings									
No income	44.4	90.4	47.7	29.2	37.3	20.0	2807	2564	2089
$1-11,000	81.7	93.2	47.3	32.0	32.0	26.1	2484	1876	2059
$11,000-16,999	87.7	72.1	27.3	11.9	14.4	7.8	Low-N	Low-N	Low-N
$17,000-22,999	80.8	60.7	21.3	11.3	9.2	5.8	Low-N	Low-N	Low-N
$23,000-29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	75.9	73.0	81.6	74.9	71.6	48.9	3368	2737	2044
$11,000-16,999	80.7	82.9	77.2	65.3	66.0	48.7	2743	2117	1944
$17,000-22,999	84.7	89.5	66.6	54.7	55.9	41.7	2565	1704	2028
$23,000-29,999	83.4	91.3	56.8	44.8	37.7	37.1	2202	1697	2083
$30,000-49,999	80.7	94.6	46.3	27.4	26.6	25.1	2194	1673	2114
$50,000 plus	71.6	96.3	25.5	8.5	13.7	7.7	2190	1792	2096
Dependent student's family income†									
Lt $11,000	76.0	77.2	73.1	62.4	64.4	40.0	3245	2646	2006
$11,000-16,999	81.7	82.3	80.6	64.2	69.3	46.7	2958	2188	1999
$17,000-22,999	78.3	89.6	72.0	56.8	61.4	38.8	2454	1960	2074
$23,000-29,999	81.0	91.2	59.7	43.0	43.5	36.6	2254	1582	2061
$30,000-49,999	79.5	92.7	44.7	26.1	24.2	23.7	2135	1683	2071
$50,000 plus	72.0	95.5	21.5	8.3	11.1	8.1	2252	1726	2210

Table C.VI.9 -- Percentage of dependent undergraduates receiving support for postsecondary education in public 4-year Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Mother's education									
Less than HS	76.1	85.5	60.3	47.3	48.7	32.0	2788	2446	2052
High school only	79.1	88.9	53.7	38.7	37.2	31.3	2569	1930	2093
Voc tech/lt 2yrs pse	77.0	92.3	49.2	33.7	34.6	27.5	2411	1791	1945
AA/gt 2 yrs pse	81.1	90.4	41.8	27.1	25.7	24.3	2618	2020	2082
BA or BS	76.1	94.8	36.7	21.0	24.1	17.1	2365	1888	2067
Advanced degree	74.4	94.3	36.8	18.1	22.5	15.0	2233	1702	2118
Father's education									
Less than HS	72.9	83.1	61.6	47.8	50.5	32.4	2739	2296	2051
High school only	79.9	89.9	52.0	37.0	36.6	29.7	2564	1993	2070
Voc tech/lt 2yrs pse	77.1	91.6	50.8	35.0	33.6	28.7	2412	1863	2006
AA/gt 2 yrs pse	76.2	92.0	41.5	25.6	29.2	22.4	2527	1967	1997
BA or BS	77.8	93.7	36.3	21.8	24.1	17.9	2512	1728	2196
Advanced degree	75.2	94.4	39.8	19.9	23.9	16.0	2172	1843	2023
Enrollment level									
First year	73.8	93.2	53.8	34.9	39.7	27.6	2472	1914	1982
Second year	78.3	92.0	47.1	33.6	34.0	26.1	2533	1806	2158
Third year	78.5	91.2	42.6	29.1	29.3	23.4	2503	2060	2140
Fourth year or more	77.9	90.9	39.6	25.9	24.4	21.8	2518	1921	1965
Attendance status									
Full-time	77.2	92.2	48.5	32.8	33.8	26.0	2519	1962	2083
Part-time	76.6	84.5	31.1	16.1	17.9	14.1	2493	1868	1869
Educational objective									
Certificate/award	73.0	90.8	44.7	20.8	23.2	17.4	Low-N	Low-N	Low-N
Associate degree	80.3	94.9	50.4	41.1	30.3	37.2	2233	1526	1852
Bachelor's degree	77.4	91.7	45.9	30.7	32.2	24.6	2533	1929	2073
Other	75.9	81.8	53.8	28.6	26.2	22.3	2589	2824	2168
No formal award	63.5	74.3	43.0	21.0	24.6	13.9	Low-N	Low-N	Low-N
Undecided	71.1	93.1	39.9	27.9	30.1	19.9	2297	1849	1876
Employment status									
Working full-time	83.0	70.2	29.7	16.8	18.4	9.5	1836	1529	Low-N
Working part-time	82.8	91.2	44.8	31.2	30.2	25.0	2422	1751	1982
Not employed	71.7	93.3	46.8	30.7	33.5	24.9	2602	2102	2140

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.10 -- Percentage of independent undergraduates receiving support for postsecondary education in public 4-year Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Total	84.1	23.5	60.1	47.5	45.2	34.5	$3100	$2189	$2250
Sex									
Male	84.0	23.1	64.6	53.0	51.5	37.0	3280	2391	2278
Female	84.2	23.9	56.5	42.9	40.0	32.5	2918	1974	2223
Race/ethnicity									
Asian	71.7	39.6	74.7	56.8	61.9	32.3	3226	3445	Low-N
Black	82.6	32.7	72.2	60.1	61.1	42.6	3255	2586	2235
Hispanic	82.3	24.8	63.9	54.2	47.7	39.1	3266	1913	2282
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	84.9	21.8	57.6	45.0	42.3	33.7	3066	2038	2261
Age									
23 years or younger	84.5	44.6	85.7	79.1	76.3	57.2	3295	2336	2197
24 to 29 years	83.3	23.6	62.6	49.3	45.0	36.9	2989	2152	2156
30 years or older	84.4	10.8	43.0	27.1	26.7	19.2	2911	1983	2475
Student's earnings									
No income	72.9	21.0	56.4	50.7	43.1	35.2	3371	2601	2504
$1-11,000	85.6	35.4	76.4	67.7	62.2	50.0	3165	2277	2185
$11,000-16,999	90.0	11.6	53.2	33.6	28.9	24.4	2515	1528	2311
$17,000-22,999	87.4	11.7	33.8	12.8	19.3	8.8	Low-N	1944	Low-N
$23,000-29,999	85.2	5.1	30.6	9.7	16.2	8.1	Low-N	Low-N	Low-N
$30,000 plus	85.2	1.7	27.6	7.5	20.3	4.5	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	75.9	24.1	74.3	66.3	62.3	41.9	3133	2307	2103
$11,000-16,999	86.0	24.0	64.6	53.0	50.0	37.4	2840	1963	2148
$17,000-22,999	82.8	27.9	67.1	53.8	49.4	43.9	3130	2290	2247
$23,000-29,999	89.4	26.1	55.3	47.5	39.7	34.4	2793	1886	2169
$30,000-49,999	87.5	28.0	59.6	47.9	45.7	37.4	3307	2237	2200
$50,000 plus	87.3	30.9	51.7	35.1	30.3	29.7	3143	1993	2500
Independent student's income†									
No income	76.1	29.4	53.6	38.7	46.1	26.6	3576	2846	2304
$1-11,000	80.7	37.2	86.3	79.5	73.6	57.4	3289	2270	2242
$11,000-16,999	87.1	23.2	68.8	58.1	45.2	43.8	2684	2056	2282
$17,000-22,999	90.1	8.4	50.2	29.9	25.6	23.4	2070	1748	1971
$23,000-29,999	85.4	13.2	41.1	24.9	18.9	20.5	2582	1538	2483
$30,000 plus	88.8	7.5	24.0	5.4	13.8	2.8	Low-N	1434	Low-N

Table C.VI.10 -- Percentage of independent undergraduates receiving support for postsecondary education in public 4-year Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Mother's education									
Less than HS	86.1	16.2	57.6	43.7	44.0	27.9	3037	2119	2250
High school only	83.6	24.8	58.2	48.3	45.4	35.8	3168	2171	2187
Voc tech/lt 2yrs pse	82.2	27.8	64.1	50.7	48.7	34.3	3042	2077	2165
AA/gt 2 yrs pse	88.8	25.8	58.1	42.7	44.0	31.7	2731	1874	2328
BA or BS	86.1	27.7	61.3	49.8	44.1	38.5	3090	2253	2219
Advanced degree	84.7	23.7	62.8	43.2	40.9	36.3	3313	2378	2634
Father's education									
Less than HS	86.2	17.1	54.9	43.8	41.6	29.0	2824	2108	2162
High school only	85.3	24.0	59.7	48.0	46.4	35.3	3043	2148	2188
Voc tech/lt 2 yrs pse	80.4	23.3	61.9	52.1	46.3	40.5	3470	2337	2366
AA/gt 2 yrs pse	89.3	20.1	60.3	48.4	50.3	34.2	3236	2031	2314
BA or BS	84.9	29.5	65.1	48.4	46.2	34.3	3126	2235	2373
Advanced degree	84.1	33.1	63.1	45.4	43.0	34.2	2948	2049	2172
Enrollment level									
First year	77.2	18.0	61.7	47.8	45.6	39.0	3323	2234	2344
Second year	85.2	24.4	66.5	56.4	53.0	40.2	3072	2094	2282
Third year	83.2	25.5	64.0	55.0	53.3	38.3	3288	2113	2341
Fourth year or more	85.6	28.5	63.2	55.5	52.7	40.3	2988	2099	2070
Attendance status									
Full-time	82.6	31.3	76.8	68.3	62.0	51.0	3286	2393	2300
Part-time	86.1	13.2	38.1	19.9	23.0	12.8	2262	1464	1986
Educational objective									
Certificate/award	83.4	11.3	45.2	26.1	15.6	19.0	Low-N	Low-N	Low-N
Associate degree	79.5	11.3	51.3	39.7	35.6	23.9	Low-N	Low-N	Low-N
Bachelor's degree	84.5	26.7	65.1	56.5	54.2	41.1	3161	2141	2213
Other	84.9	16.0	47.1	20.5	17.2	16.7	2923	3481	2763
No formal award	81.2	10.5	32.4	5.1	13.4	1.8	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	85.0	8.1	38.3	19.7	24.0	13.3	2341	1358	2076
Working part-time	86.9	31.9	70.5	61.1	57.2	45.6	3193	2144	2161
Not employed	79.1	27.0	63.9	56.8	50.4	41.1	3198	2564	2431

† See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.11 -- Percentage of dependent undergraduates receiving support for postsecondary education in public 4-year non-Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	75.6	89.0	48.1	36.0	33.9	24.0	$2246	$1671	$1963
Sex									
Male	79.0	89.3	46.0	34.6	31.3	23.6	2265	1671	1992
Female	73.1	88.8	50.1	37.4	36.3	24.3	2231	1670	1936
Race/ethnicity									
Asian	66.5	87.0	43.4	34.4	33.6	11.8	1690	1938	Low-N
Black	68.6	88.6	70.3	61.4	58.6	33.3	2334	2017	1666
Hispanic	70.6	87.5	54.4	45.6	43.7	15.4	1914	2317	2041
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	77.9	89.3	45.0	31.9	29.9	24.1	2305	1482	2023
Age									
23 years or younger	75.4	91.6	50.7	39.1	36.3	25.9	2254	1697	1969
24 to 29 years	82.2	77.6	31.6	18.6	18.3	13.0	2203	1284	1950
30 years or older	72.9	57.5	31.5	9.7	18.4	6.2	Low-N	Low-N	Low-N
Student's earnings									
No income	43.1	90.6	54.1	44.7	43.9	21.0	2083	2052	1927
$1-11,000	80.9	92.0	50.1	37.9	34.4	26.8	2287	1633	1966
$11,000-16,999	86.2	70.2	23.4	10.3	15.5	6.9	Low-N	Low-N	Low-N
$17,000-22,999	91.0	64.4	15.4	2.9	10.3	0.0	Low-N	Low-N	Low-N
$23,000-29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	71.8	80.0	83.9	74.9	79.6	32.5	2551	2352	1789
$11,000-16,999	71.9	85.2	75.8	70.2	70.8	38.9	2381	2003	1826
$17,000-22,999	81.1	86.3	64.2	54.2	52.1	35.1	2420	1670	2008
$23,000-29,999	82.7	91.5	56.8	41.2	35.6	32.2	2067	1381	2089
$30,000-49,999	80.4	92.5	41.4	28.3	21.8	23.6	1921	1065	1942
$50,000 plus	71.5	95.1	22.9	10.3	9.8	9.7	2237	1128	2172
Dependent student's family income†									
Lt $11,000	73.7	82.4	75.0	64.8	67.4	27.1	2537	2361	1881
$11,000-16,999	74.0	87.9	80.7	72.6	76.4	39.5	2446	1950	1741
$17,000-22,999	76.2	88.4	73.6	60.0	62.0	37.4	2316	1588	1987
$23,000-29,999	80.7	86.8	54.4	41.3	39.3	32.3	2271	1317	2125
$30,000-49,999	77.2	90.6	40.7	27.2	19.8	23.2	1839	1073	1958
$50,000 plus	73.7	91.9	20.0	8.7	7.5	8.5	2084	863	2142

Table C.VI.11 -- Percentage of dependent undergraduates receiving support for postsecondary education in public 4-year non-Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Enrollment level									
First year	72.8	91.9	56.5	41.1	41.3	26.9	2245	1736	1999
Second year	76.6	89.9	49.3	38.7	36.2	23.1	2197	1701	1953
Third year	74.4	89.3	47.1	36.2	32.8	26.2	2344	1613	2008
Fourth year or more	80.1	86.8	39.9	29.9	26.9	20.7	2198	1590	1832
Attendance status									
Full-time	75.3	91.5	52.2	40.2	37.4	26.8	2274	1700	1968
Part-time	79.1	77.3	29.0	16.6	17.0	10.6	1931	1361	1903
Educational objective									
Certificate/award	68.3	83.6	47.8	31.4	28.0	17.3	Low-N	Low-N	Low-N
Associate degree	75.5	85.4	50.5	40.5	37.9	20.6	1977	1785	1780
Bachelor's degree	77.0	89.7	48.9	36.7	34.4	25.3	2294	1659	1974
Other	72.7	83.4	36.3	23.1	20.2	15.0	2129	1830	Low-N
No formal award	72.2	78.5	40.7	26.3	28.1	12.9	Low-N	Low-N	Low-N
Undecided	64.8	91.9	44.6	36.4	35.8	17.3	1774	1592	Low-N
Employment status									
Working full-time	83.4	69.0	26.4	12.2	16.6	6.5	1611	1141	Low-N
Working part-time	82.2	89.4	46.6	34.8	33.9	22.7	2181	1523	1882
Not employed	68.6	92.3	52.3	41.2	36.7	28.0	2335	1830	2042

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.12 -- Percentage of independent undergraduates receiving support for postsecondary education in public 4-year non-Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Pct w/ any aid	Pct w/ fed aid	Pct w/ grants	Pct w/ loans	Avg amt any aid	Avg amt grants	Avg amt loans
Total	82.1	19.7	53.3	41.7	42.9	26.0	$2774	$1914	$2099
Sex									
Male	84.3	23.9	56.4	47.0	46.7	28.9	2928	2098	2123
Female	80.8	17.0	51.3	38.4	40.4	24.2	2657	1779	2082
Race/ethnicity									
Asian	70.4	27.9	64.4	54.5	57.2	27.3	2854	2602	Low-N
Black	76.5	16.4	67.9	57.3	54.2	31.6	2678	2086	2217
Hispanic	79.4	16.3	54.9	39.8	41.6	21.8	2469	2145	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	84.2	19.7	50.0	38.2	39.9	25.5	2820	1777	2113
Age									
23 years or younger	79.2	44.1	81.4	76.8	71.8	48.6	2930	2220	1970
24 to 29 years	82.7	22.3	56.9	46.4	46.0	31.2	2760	1805	2161
30 years or older	82.8	9.4	41.2	26.4	30.7	15.0	2628	1749	2175
Student's earnings									
No income	66.6	17.2	60.5	52.3	51.7	28.7	2704	2130	2167
$1-11,000	83.7	32.1	69.3	62.7	59.3	41.5	2993	2157	2055
$11,000-16,999	85.0	15.3	39.1	25.5	25.1	18.8	2381	1121	2428
$17,000-22,999	92.7	5.9	35.7	16.5	24.3	8.2	Low-N	954	Low-N
$23,000-29,999	96.2	3.1	33.2	8.4	17.7	5.0	Low-N	Low-N	Low-N
$30,000 plus	79.2	3.1	29.9	6.6	21.7	2.6	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	78.0	18.1	72.7	63.1	65.7	35.1	2905	2242	2142
$11,000-16,999	80.3	15.6	61.9	48.6	45.6	30.5	2777	2153	2208
$17,000-22,999	84.8	27.6	60.5	48.8	46.0	31.4	2672	1844	2250
$23,000-29,999	86.7	27.9	51.6	40.5	37.9	30.9	2536	1671	1883
$30,000-49,999	84.4	19.4	47.1	33.7	34.8	22.3	2752	1713	2036
$50,000 plus	86.7	24.7	36.9	24.8	29.5	15.6	2815	1601	Low-N
Independent student's income†									
No income	71.5	25.9	43.4	34.7	38.3	20.5	2891	2464	1794
$1-11,000	75.1	33.3	83.8	80.2	77.4	48.6	3114	2302	2140
$11,000-16,999	81.8	19.1	56.8	41.4	39.9	25.6	2114	1349	2075
$17,000-22,999	89.7	12.2	43.8	30.7	27.6	22.5	2218	1048	2204
$23,000-29,999	85.6	9.3	42.5	26.1	24.5	20.0	1822	933	2067
$30,000 plus	90.5	7.8	26.0	7.7	16.8	4.3	2008	964	Low-N

Table C.VI.12 -- Percentage of independent undergraduates receiving support for postsecondary education in public 4-year non-Ph.D.-granting institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid				Average Amount		
			Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Mother's education									
Less than HS	79.6	13.0	54.1	41.5	44.4	25.7	2733	1969	2020
High school only	86.4	21.0	51.3	40.1	40.6	25.4	2775	1799	2178
Voc tech/lt 2yrs pse	81.7	26.2	55.8	46.0	48.1	28.0	2807	1998	1983
AA/gt 2 yrs pse	83.7	17.6	54.0	43.4	42.0	28.6	3003	1936	2386
BA or BS	85.3	27.1	51.2	35.4	38.4	24.7	2748	1820	2009
Advanced degree	72.0	31.2	54.0	43.4	43.3	29.3	3179	2075	Low-N
Father's education									
Less than HS	81.3	12.2	51.3	38.4	42.7	22.4	2704	1804	2128
High school only	83.4	19.5	51.9	40.9	41.9	25.1	2765	1835	2086
Voc tech/lt 2yrs pse	85.6	25.0	58.9	46.0	48.6	27.5	2755	1953	2140
AA/gt 2 yrs pse	82.9	21.4	50.7	39.9	35.4	33.8	3019	1884	2063
BA or BS	81.4	27.1	51.6	38.0	38.0	25.6	2820	1811	2238
Advanced degree	80.9	34.5	49.9	40.4	41.6	27.1	3275	2293	2043
Enrollment level									
First year	77.1	15.8	53.4	44.7	43.0	24.1	2572	2198	2179
Second year	76.4	19.9	63.0	53.5	51.8	31.9	2586	1990	1847
Third year	83.6	20.9	58.2	46.4	47.9	29.1	2685	1797	2050
Fourth year or more	83.0	25.1	57.4	48.3	49.8	31.7	3031	1981	2216
Attendance status									
Full-time	78.2	29.9	74.6	67.1	63.9	44.2	3053	2254	2141
Part-time	85.9	9.9	33.0	17.4	22.7	8.7	1753	994	1898
Educational objective									
Certificate/award	86.6	10.1	25.6	14.2	16.5	10.6	Low-N	Low-N	Low-N
Associate degree	72.7	16.2	59.7	47.3	47.9	23.0	2643	1934	Low-N
Bachelor's degree	82.2	22.5	58.5	48.6	49.6	30.7	2818	1981	2098
Other	86.9	11.6	36.7	16.3	17.0	12.5	2902	1301	Low-N
No formal award	78.0	3.7	29.8	8.7	15.0	3.0	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	85.5	7.3	34.4	16.5	23.2	8.9	1755	1012	1979
Working part-time	86.2	25.9	59.3	49.8	49.7	33.6	3036	2036	2140
Not employed	74.4	24.2	63.2	56.8	54.0	34.7	2836	2159	2105

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.13 -- Percentage of dependent undergraduates receiving support for postsecondary education in public 2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Total	75.4	78.2	28.7	16.0	20.1	6.4	$1601	$1202	$1671
Sex									
Male	77.7	80.4	28.2	16.0	19.3	6.6	1669	1293	1634
Female	73.2	76.0	29.1	16.0	20.8	6.3	1536	1121	1708
Race/ethnicity									
Asian	67.7	80.2	21.1	14.1	14.9	3.8	Low-N	Low-N	Low-N
Black	73.1	71.8	40.9	30.3	31.9	12.8	1836	1195	Low-N
Hispanic	75.5	75.7	26.2	16.1	17.6	3.8	1366	1420	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	76.1	79.3	28.4	14.7	19.6	6.4	1586	1168	1679
Age									
23 years or younger	75.0	86.2	30.8	17.6	22.0	7.2	1617	1246	1633
24 to 29 years	76.0	58.9	20.1	10.2	12.7	3.4	1555	983	Low-N
30 years or older	78.4	33.2	23.5	11.0	14.9	4.2	Low-N	Low-N	Low-N
Student's earnings									
No income	49.2	82.1	36.7	19.2	28.2	7.1	1813	1305	Low-N
$1-11,000	78.8	85.5	31.5	18.6	22.2	7.7	1579	1222	1672
$11,000-16,999	86.6	61.3	13.2	5.2	7.3	2.4	Low-N	Low-N	Low-N
$17,000-22,999	85.0	48.6	13.5	4.7	7.7	0.0	Low-N	Low-N	Low-N
$23,000-29,999	83.5	26.4	21.0	3.2	14.5	0.0	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	72.3	71.5	57.4	44.3	47.0	11.0	1693	1573	Low-N
$11,000-16,999	75.2	78.1	47.8	34.4	40.7	11.8	1774	1345	1897
$17,000-22,999	79.3	77.0	33.9	23.5	24.8	7.9	1270	1058	Low-N
$23,000-29,999	76.5	84.6	33.0	18.4	22.8	10.0	1377	1076	1393
$30,000-49,999	79.2	85.5	22.2	7.7	13.0	4.6	1430	789	1735
$50,000 plus	72.4	85.4	15.4	3.7	7.5	1.8	Low-N	Low-N	Low-N
Dependent student's family income†									
Lt $11,000	71.4	73.0	42.9	31.5	35.3	10.2	1795	1484	1568
$11,000-16,999	74.9	74.4	61.4	40.9	46.1	8.8	1519	1381	Low-N
$17,000-22,999	76.2	79.3	29.6	18.3	20.5	7.4	1573	1342	Low-N
$23,000-29,999	77.6	75.3	32.6	18.4	25.7	9.3	1538	998	1809
$30,000-49,999	76.7	82.0	21.5	7.7	12.0	5.1	1561	831	1784
$50,000 plus	74.4	78.4	9.9	2.5	4.7	1.8	Low-N	Low-N	Low-N

Table C.VI.13 -- Percentage of dependent undergraduates receiving support for postsecondary education in public 2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Mother's education									
Less than HS	75.4	65.2	32.5	22.3	22.5	7.4	1719	1402	1987
High school only	77.2	80.5	31.4	17.2	21.2	7.2	1439	1214	1374
Voc tech/lt 2yrs pse	74.5	81.8	29.5	17.3	22.8	6.9	1660	1189	1731
AA/gt 2 yrs pse	74.4	79.0	25.9	14.3	18.7	6.0	1718	1030	Low-N
BA or BS	74.0	83.5	21.3	7.8	13.0	2.5	1502	1093	Low-N
Advanced degree	77.4	84.4	18.0	6.8	10.7	5.3	Low-N	Low-N	Low-N
Father's education									
Less than HS	74.5	68.5	39.4	26.2	29.0	9.4	1734	1339	1803
High school only	78.3	80.4	30.2	15.7	20.7	6.7	1406	1054	1406
Voc tech/lt 2yrs pse	75.0	80.9	28.6	17.4	20.5	6.8	1782	1364	1901
AA/gt 2 yrs pse	71.3	80.3	23.0	9.9	18.0	3.1	Low-N	1131	Low-N
BA or BS	77.9	85.0	19.5	8.7	10.3	6.0	1829	953	Low-N
Advanced degree	72.0	85.1	17.2	5.9	10.3	3.3	Low-N	Low-N	Low-N
Enrollment level									
First year	74.1	78.4	33.0	18.0	23.2	6.8	1526	1173	1511
Second year	75.8	81.2	26.9	16.2	19.9	6.6	1736	1236	1830
Third year	78.5	80.0	22.3	11.9	14.0	4.9	Low-N	Low-N	Low-N
Fourth year or more	79.2	67.0	18.2	9.3	9.6	4.5	Low-N	Low-N	Low-N
Attendance status									
Full-time	71.2	87.9	39.9	24.9	30.5	10.0	1693	1266	1782
Part-time	79.3	69.1	18.2	7.8	10.5	3.2	1324	1028	1336
Educational objective									
Certificate/award	72.6	77.8	34.9	18.7	23.4	8.4	1393	962	1478
Associate degree	77.3	79.5	31.7	19.3	25.0	7.2	1684	1201	1699
Bachelor's degree	73.8	81.7	25.5	13.2	14.8	6.5	1410	1241	1486
Other	77.0	79.4	25.6	12.5	15.9	6.1	Low-N	Low-N	Low-N
No formal award	74.8	60.4	18.5	5.6	8.8	2.3	Low-N	Low-N	Low-N
Undecided	70.7	78.1	21.3	10.2	10.9	1.2	Low-N	Low-N	Low-N
Employment status									
Working full-time	82.4	58.5	16.6	6.9	9.8	2.5	964	752	Low-N
Working part-time	79.3	86.1	29.0	17.2	21.0	6.7	1594	1165	1673
Not employed	63.0	81.2	36.3	21.4	26.9	9.4	1782	1381	1726

[†]See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.14 -- Percentage of independent undergraduates receiving support for postsecondary education in public 2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	77.1	12.1	36.4	23.6	28.7	9.0	$1910	$1336	$1925
Sex									
Male	75.0	13.5	37.9	24.1	30.4	8.8	1959	1408	1896
Female	78.4	11.3	35.5	23.3	27.6	9.2	1879	1286	1942
Race/ethnicity									
Asian	73.3	13.7	37.8	27.5	29.5	8.1	Low-N	Low-N	Low-N
Black	69.4	15.5	48.9	33.8	41.0	11.2	1594	1208	Low-N
Hispanic	73.7	12.4	44.8	34.7	36.3	11.6	1917	1387	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	78.7	11.6	33.5	20.5	26.0	8.5	1980	1311	2017
Age									
23 years or younger	73.8	27.3	53.8	43.7	47.7	13.6	2063	1673	1842
24 to 29 years	76.8	16.0	39.5	27.7	31.0	11.2	1758	1236	1645
30 years or older	77.8	7.6	31.9	18.1	24.2	7.2	1951	1274	2151
Student's earnings									
No income	61.8	17.3	51.3	43.6	44.2	15.6	2043	1596	1931
$1-11,000	79.9	18.5	46.4	35.8	37.1	13.6	1959	1505	1889
$11,000-16,999	81.0	9.5	30.7	15.0	20.9	6.2	1322	822	Low-N
$17,000-22,999	81.7	6.2	22.2	8.1	15.6	4.0	Low-N	751	Low-N
$23,000-29,999	82.2	6.5	19.4	3.2	15.9	1.2	Low-N	803	Low-N
$30,000 plus	80.9	1.3	23.7	2.6	19.9	1.4	Low-N	802	Low-N
Family income status†									
Lt $11,000	75.3	15.2	52.2	40.7	43.2	13.5	2034	1521	2189
$11,000-16,999	81.8	14.2	38.1	29.2	30.2	11.2	1975	1380	Low-N
$17,000-22,999	79.5	10.1	36.7	21.5	28.2	9.4	2030	1334	Low-N
$23,000-29,999	80.3	11.1	34.9	18.5	25.5	11.5	2242	1291	Low-N
$30,000-49,999	83.0	15.1	28.2	10.8	21.6	4.0	1508	848	Low-N
$50,000 plus	85.8	11.4	24.1	11.9	16.4	4.1	Low-N	Low-N	Low-N
Independent student's income†									
No income	66.8	16.9	36.1	22.8	27.6	4.4	1479	1282	Low-N
$1-11,000	65.5	20.8	67.1	58.8	59.0	21.1	2088	1590	2011
$11,000-16,999	77.7	13.0	35.8	28.0	30.3	9.4	1957	1467	2268
$17,000-22,999	80.1	11.9	26.9	13.5	18.0	8.7	1936	916	Low-N
$23,000-29,999	81.0	7.6	33.9	13.1	22.5	8.0	1380	792	Low-N
$30,000 plus	86.5	5.5	18.3	3.8	12.3	2.0	Low-N	987	Low-N

Table C.VI.14 -- Percentage of independent undergraduates receiving support for postsecondary education in public 2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Mother's education									
Less than HS	75.9	10.0	43.7	26.9	32.9	10.8	1995	1342	2159
High school only	78.8	11.2	33.4	22.0	27.0	8.5	1671	1219	1710
Voc tech/lt 2yrs pse	75.9	14.3	33.0	23.1	26.4	8.0	1991	1430	Low-N
AA/gt 2 yrs pse	89.4	13.7	33.3	19.6	26.6	7.2	Low-N	Low-N	Low-N
BA or BS	85.5	11.1	28.4	13.3	22.0	5.8	Low-N	1052	Low-N
Advanced degree	82.8	20.9	25.6	15.2	17.1	10.6	Low-N	Low-N	Low-N
Father's education									
Less than HS	75.2	11.5	42.1	28.8	34.1	10.6	1951	1332	1965
High school only	79.1	11.6	35.3	21.8	26.8	9.5	1790	1269	1768
Voc tech/lt 2yrs pse	78.3	13.0	32.1	18.3	23.9	4.4	1664	1417	Low-N
AA/gt 2 yrs pse	87.1	13.9	33.6	20.1	26.4	8.5	Low-N	1267	Low-N
BA or BS	77.1	11.5	29.6	16.2	20.6	8.9	Low-N	Low-N	Low-N
Advanced degree	78.4	19.8	28.4	18.4	25.5	6.8	Low-N	Low-N	Low-N
Enrollment level									
First year	73.1	14.0	41.3	28.6	34.4	10.4	1775	1235	1735
Second year	78.2	13.2	42.3	28.9	33.9	11.6	2074	1425	2069
Third year	84.8	9.9	35.3	22.1	23.7	10.8	2032	1648	Low-N
Fourth year or more	87.0	9.7	16.5	6.7	11.8	1.2	Low-N	Low-N	Low-N
Attendance status									
Full-time	68.4	18.7	66.1	57.1	57.1	22.9	2206	1720	1906
Part-time	79.9	10.0	26.9	12.8	19.5	4.5	1482	965	1956
Educational objective									
Certificate/award	72.7	13.2	38.6	26.5	33.3	7.2	1676	1328	Low-N
Associate degree	76.1	13.6	44.6	31.2	36.6	12.1	1976	1342	1944
Bachelor's degree	80.8	12.9	36.8	23.9	27.2	12.4	1848	1301	1800
Other	76.3	12.2	32.1	17.2	22.3	5.8	Low-N	1951	Low-N
No formal award	81.9	4.5	17.3	5.0	10.4	1.4	Low-N	883	Low-N
Undecided	72.8	18.5	27.9	20.2	23.2	5.7	Low-N	Low-N	Low-N
Employment status									
Working full-time	81.2	7.6	24.3	9.6	18.6	3.2	1323	714	1552
Working part-time	81.3	17.3	40.8	29.7	32.1	12.1	2052	1460	2038
Not employed	67.6	14.7	50.1	39.9	40.9	15.5	2035	1642	1982

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.15 -- Percentage of dependent undergraduates receiving support for postsecondary education in public less-than-2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	56.4	76.4	53.0	39.8	39.5	18.7	$1848	$1141	$2109
Sex									
Male	63.5	77.3	44.7	26.3	30.9	11.7	1847	1249	Low-N
Female	50.1	75.6	60.3	51.8	47.1	24.9	1848	1079	2079
Race/ethnicity									
Asian	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Black	60.2	75.0	55.1	43.4	50.6	3.7	Low-N	Low-N	Low-N
Hispanic	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	56.3	80.0	53.6	41.2	39.2	23.2	2077	1276	2077
Student's age									
23 years or younger	56.6	83.3	55.2	42.8	43.9	21.0	1830	1095	2055
24 to 29 years	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
30 years or older	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Student's earnings									
No income	30.2	68.9	74.4	57.3	57.0	21.3	1766	1340	Low-N
LT $11,000	70.7	86.5	51.7	37.2	38.7	20.0	1923	1028	Low-N
$11,000–16,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$17,000–22,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$23,000–29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000–plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
LT $11,000	41.0	75.9	81.9	70.4	78.5	25.8	1906	1311	Low-N
$11,000-16,999	64.2	86.0	71.4	55.2	49.2	28.6	Low-N	Low-N	Low-N
$17,000-22,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$23,000-29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000-49,999	74.9	88.3	42.7	27.6	24.3	16.0	Low-N	Low-N	Low-N
$50,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Dependent student's family income†									
Lt $11,000	47.9	75.7	70.8	57.6	64.1	24.8	1995	1289	Low-N
$11,000–16,999	54.6	78.0	65.9	59.2	46.3	22.7	Low-N	Low-N	Low-N
$17,000–22,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$23,000–29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000–49,999	59.2	83.9	29.8	17.4	17.2	10.9	Low-N	Low-N	Low-N
$50,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N

Table C.VI.15 -- Percentage of dependent undergraduates receiving support for postsecondary education in public less-than-2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Mother's education									
Less than HS	56.9	76.8	66.7	52.7	53.7	19.7	1835	1123	Low-N
High school only	65.2	77.1	45.8	38.7	40.0	19.6	Low-N	Low-N	Low-N
Voc tech/lt 2yrs pse	36.0	84.7	61.2	34.7	52.9	12.1	Low-N	Low-N	Low-N
AA/gt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
BA or BS	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Advanced degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Father's education									
Less than HS	51.0	68.5	68.2	58.3	56.3	19.0	1779	1242	Low-N
High school only	64.7	87.1	55.2	43.3	45.7	26.5	Low-N	Low-N	Low-N
Voc tech/lt 2yrs pse	44.0	86.7	47.3	31.2	37.4	11.5	Low-N	Low-N	Low-N
AA/gt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
BA or BS	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Advanced degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Enrollment level									
First year	58.5	79.4	56.1	43.9	42.9	20.2	1939	1143	Low-N
Second year	62.7	80.9	54.0	42.0	38.9	22.3	Low-N	Low-N	Low-N
Third year	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Fourth year or more	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Attendance									
Full-time	52.6	80.1	62.2	49.3	47.9	23.1	1900	1180	2163
Part-time	66.1	67.1	29.3	15.7	17.9	7.5	Low-N	Low-N	Low-N
Degree objective									
Certificate/award	54.6	80.0	55.3	40.6	39.7	19.0	1785	1051	Low-N
Associate degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Bachelor's degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
No formal award	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	70.4	54.5	28.6	21.6	17.2	10.8	Low-N	Low-N	Low-N
Working part-time	71.4	87.8	45.4	34.4	33.2	22.7	2081	Low-N	Low-N
Not employed	40.0	76.5	67.9	50.9	52.8	18.9	1765	1249	Low-N

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.16 -- Percentage of independent undergraduates receiving support for postsecondary education in public less-than-2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	66.7	19.4	57.4	45.6	45.3	20.3	$2290	$1515	$2043
Sex									
Male	64.6	16.5	59.9	40.6	45.2	15.1	2512	1382	Low-N
Female	68.2	21.5	55.6	49.1	45.4	24.0	2161	1609	1955
Race/ethnicity									
Asian	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Black	62.0	16.6	45.4	41.9	41.8	5.6	Low-N	Low-N	Low-N
Hispanic	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	67.1	19.7	60.7	48.5	48.1	24.5	2520	1666	1994
Age									
23 years or younger	78.4	36.8	57.1	50.7	43.9	31.3	Low-N	Low-N	Low-N
24 to 29 years	60.4	25.5	63.7	55.0	52.2	28.3	2286	1615	Low-N
30 years or older	67.7	12.4	54.0	39.3	41.8	13.6	2168	1400	1865
Student's earnings									
No income	55.9	25.2	65.7	55.6	53.5	15.7	1932	1449	Low-N
$1-11,000	69.2	20.4	67.6	55.7	54.0	31.7	2678	1780	1966
$11,000-16,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$17,000-22,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$23,000-29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	57.5	20.9	67.5	54.2	57.9	17.7	1896	1816	Low-N
$11,000-16,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$17,000-22,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$23,000-29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000-49,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$50,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Independent student's income†									
No income	47.3	20.9	46.4	34.7	26.1	6.0	Low-N	Low-N	Low-N
$1-11,000	66.7	23.0	74.5	66.6	69.0	28.5	2410	1660	2058
$11,000-16,999	66.5	26.9	57.6	52.1	52.1	28.5	Low-N	Low-N	Low-N
$17,000-22,999	92.2	16.0	63.2	45.8	47.6	28.8	Low-N	Low-N	Low-N
$23,000-29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000 plus	70.9	10.4	22.8	12.7	16.2	4.5	Low-N	Low-N	Low-N

Table C.VI.16 -- Percentage of independent undergraduates receiving support for postsecondary education in public less-than-2-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Mother's education									
Less than HS	66.4	16.3	60.4	48.8	52.1	17.0	2206	1668	Low-N
High school only	59.9	18.0	64.0	52.0	52.2	26.8	2508	1583	Low-N
Voc tech/lt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
AA/gt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
BA or BS	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Advanced degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Father's education									
Less than HS	67.8	18.0	61.4	45.6	51.3	18.4	2153	1517	Low-N
High school only	60.7	18.1	56.5	50.4	46.9	27.7	2579	1695	2170
Voc tech/lt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
AA/gt 2 yrs pse	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
BA or BS	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Advanced degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Enrollment level									
First year	64.5	18.6	60.6	50.4	49.4	24.0	2366	1681	2022
Second year	78.5	22.6	57.3	49.2	48.5	29.7	Low-N	Low-N	Low-N
Third year	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Fourth year or more	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Attendance status									
Full-time	63.4	21.8	71.8	57.6	57.9	25.9	2363	1578	2103
Part-time	74.4	13.8	23.3	17.2	15.6	7.1	Low-N	Low-N	Low-N
Educational objective									
Certificate/award	68.1	20.7	60.0	48.0	47.7	20.0	2245	1342	2216
Associate degree	33.2	20.1	85.9	73.9	81.9	46.0	Low-N	Low-N	Low-N
Bachelor's degree	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Other	80.3	18.9	41.3	29.9	20.5	12.7	Low-N	Low-N	Low-N
No formal award	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	78.0	9.0	24.5	14.7	14.8	4.9	Low-N	Low-N	Low-N
Working part-time	70.4	28.1	61.3	54.2	53.8	28.7	2495	1694	Low-N
Not employed	61.4	20.6	68.2	54.3	53.9	23.4	2290	1547	1958

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.17 -- Percentage of dependent undergraduates receiving support for postsecondary education in private, for-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

	Self contrib	Parent contrib	Type of Aid: Any aid	Fed aid	Grants	Loans	Average Amount: Any aid	Grants	Loans
Total	60.2	84.9	81.3	76.0	53.2	69.4	$3348	$1840	$2703
Sex									
Male	65.4	85.4	81.2	76.5	44.8	72.2	3504	1956	2962
Female	57.3	84.6	81.4	75.6	57.9	67.9	3257	1789	2544
Race/ethnicity									
Asian	73.0	78.2	88.0	85.1	61.7	78.0	3762	Low-N	2690
Black	54.0	76.8	93.5	91.6	75.3	81.7	3567	1891	2415
Hispanic	59.5	86.4	90.0	87.3	68.9	79.6	3590	1750	2786
Native American	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
White	61.7	87.5	75.3	68.1	42.2	63.0	3150	1822	2793
Student's age									
23 years or younger	60.6	87.8	81.2	75.9	52.6	69.9	3339	1837	2712
24 to 29 years	61.8	68.7	85.6	78.8	56.9	69.1	3307	1926	2539
30 years or older	47.3	61.3	72.0	67.4	55.3	61.1	3783	Low-N	3018
Student's earnings									
No income	37.7	78.4	84.9	79.5	68.1	68.0	3415	1924	2545
LT $11,000	67.5	89.2	81.5	76.3	50.4	71.0	3368	1804	2783
$11,000–16,999	84.7	74.5	65.5	59.3	26.7	58.9	2642	Low-N	2476
$17,000–22,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$23,000–29,999	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
LT $11,000	56.3	82.1	95.4	93.1	87.8	80.0	3674	1986	2416
$11,000*16,999	61.9	85.5	93.5	91.6	73.8	79.3	3348	1874	2557
$17,000*22,999	69.7	87.3	86.2	81.2	57.8	76.8	3351	1663	2769
$23,000*29,999	65.2	91.9	85.5	79.0	43.2	76.4	3216	1303	2946
$30,000*49,999	63.7	92.9	71.8	64.4	21.6	64.8	3012	1704	2967
$50,000 plus	58.9	96.3	50.5	41.8	16.4	39.6	2940	Low-N	2970
Dependent student's family income†									
Lt $11,000	55.7	76.5	89.7	87.9	82.8	76.5	3758	2100	2419
$11,000–16,999	63.3	85.7	96.7	93.8	78.1	79.9	3319	1785	2424
$17,000–22,999	66.9	84.5	90.5	83.5	56.0	77.4	3236	1570	2865
$23,000–29,999	60.3	82.5	83.3	78.5	51.2	74.0	3334	1298	3119
$30,000–49,999	60.3	91.8	72.5	62.9	19.2	62.9	2868	1889	2914
$50,000 plus	60.6	95.9	36.0	28.3	6.9	28.6	2845	Low-N	2975

Table C.VI.17 -- Percentage of dependent undergraduates receiving support for postsecondary education in private, for-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

	Self contrib	Parent contrib	Type of Aid: Any aid	Type of Aid: Fed aid	Type of Aid: Grants	Type of Aid: Loans	Average Amount: Any aid	Average Amount: Grants	Average Amount: Loans
Mother's education									
Less than HS	56.7	82.9	91.0	88.1	69.4	78.0	3471	1773	2646
High school only	63.6	87.6	79.6	73.1	46.4	68.1	3351	1881	2846
Voc tech/lt 2yrs pse	58.6	86.7	77.4	73.0	50.0	68.0	3231	1941	2613
AA/gt 2 yrs pse	64.2	87.1	78.4	74.0	49.1	71.3	3447	1660	2685
BA or BS	64.4	90.3	66.4	57.8	32.7	55.0	2912	1778	2428
Advanced degree	76.3	87.1	61.2	54.2	28.2	47.5	Low-N	Low-N	Low-N
Father's education									
Less than HS	58.2	81.8	89.3	86.8	70.5	78.7	3607	1780	2708
High school only	62.4	87.3	80.7	74.6	4 . .5	69.8	3246	1791	2762
Voc tech/lt 2yrs pse	60.8	89.6	75.0	67.8	44.1	62.0	3351	1945	2809
AA/gt 2 yrs pse	64.1	91.6	81.8	77.6	53.0	72.1	3148	1582	2653
BA or BS	71.2	89.6	66.3	56.3	41.7	53.2	3084	2064	2509
Advanced degree	61.1	94.3	47.9	45.6	18.8	41.5	Low-N	Low-N	Low-N
Enrollment level									
First year	60.0	84.6	83.3	77.8	53.8	72.0	3424	1815	2721
Second year	65.1	86.7	80.8	77.2	56.0	66.6	3172	1880	2671
Third year	60.9	82.2	73.3	67.2	47.5	62.7	3274	2425	2657
Fourth year or more	64.4	87.3	63.3	54.8	35.8	53.0	3010	1714	2700
Attendance status									
Full-time	58.5	85.7	82.2	76.8	53.6	69.9	3345	1880	2723
Part-time	71.9	79.5	75.4	70.6	50.3	66.4	3365	1551	2558
Degree objective									
Certificate/award	57.1	84.4	81.8	76.5	56.9	70.8	3455	1673	2678
Associate degree	65.4	88.7	81.5	77.5	50.1	68.8	3185	2127	2789
Bachelor's degree	70.4	89.1	89.3	83.1	43.4	73.6	3054	Low-N	2755
Other	58.3	77.6	77.1	70.8	49.4	68.3	3516	1578	2586
No formal award	55.6	64.3	69.9	49.1	31.8	46.5	Low-N	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	79.3	79.9	74.4	69.3	47.6	64.0	3283	1723	2615
Working part-time	67.3	89.9	82.7	77.7	47.6	73.6	3296	1756	2754
Not employed	47.7	81.2	81.7	76.2	60.3	66.9	3416	1916	2670

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

Table C.VI.18 -- Percentage of independent undergraduates receiving support for postsecondary education in private, for-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Total	61.2	22.8	88.8	85.3	67.0	72.2	$3385	$2137	$2504
Sex									
Male	65.1	22.8	89.9	85.2	60.8	74.0	3539	2415	2637
Female	59.5	22.8	88.3	85.4	69.7	71.4	3319	2031	2444
Race/ethnicity									
Asian	56.1	18.1	93.8	89.2	79.7	83.1	3875	1843	2696
Black	54.9	23.2	95.0	93.2	78.0	76.8	3407	2151	2297
Hispanic	52.4	24.5	92.8	88.8	67.7	76.3	3272	2144	2346
Native American	36.7	31.3	83.8	83.8	63.0	72.2	Low-N	Low-N	Low-N
White	66.5	22.3	85.3	81.4	62.2	68.9	3381	2104	2624
Age									
23 years or younger	55.7	39.5	93.1	92.4	74.6	80.8	3496	1906	2508
24 to 29 years	65.2	22.6	94.5	92.6	67.1	80.9	3400	1992	2499
30 years or older	61.5	13.3	82.4	76.3	62.7	61.3	3297	2402	2505
Student's earnings									
No income	50.5	19.7	90.7	86.3	78.8	68.5	3475	2346	2397
Lt $11,000	67.4	27.9	90.9	89.1	70.3	77.2	3451	1966	2570
$11,000-16,999	78.2	18.3	78.8	74.1	37.8	62.6	2979	1908	2633
$17,000-22,999	75.7	10.3	77.5	74.8	25.5	72.6	3082	Low-N	2716
$23,000-29,999	85.7	8.9	72.1	59.0	17.5	54.7	Low-N	Low-N	Low-N
$30,000 plus	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Family income status†									
Lt $11,000	52.9	24.0	96.8	94.8	82.2	77.8	3535	2208	2416
$11,000-16,999	67.6	22.2	86.7	83.0	63.2	72.0	3390	2196	2399
$17,000-22,999	75.5	40.0	91.1	91.1	63.2	79.3	3362	1864	2716
$23,000-29,999	75.4	19.6	91.3	87.3	66.2	75.6	3263	1916	2587
$30,000-49,999	70.2	34.3	79.7	75.2	44.0	71.8	3347	2000	2652
$50,000 plus	76.1	32.6	78.9	75.6	42.2	69.5	3257	1866	2721
Independent student's income†									
No income	49.0	31.4	70.1	66.6	55.6	53.8	3626	2367	2503
$1-11,000	53.0	28.4	96.7	95.0	87.6	77.3	3628	2192	2409
$11,000-16,999	70.2	16.3	89.3	86.6	64.3	75.6	3157	1649	2611
$17,000-22,999	73.9	15.0	90.5	83.6	44.7	74.6	2880	1848	2676
$23,000-29,999	72.2	6.7	86.1	81.9	17.8	80.0	2794	Low-N	2716
$30,000 plus	84.4	12.9	54.4	44.3	19.3	41.1	2653	3802	2542

Table C.VI.18 -- Percentage of independent undergraduates receiving support for postsecondary education in private, for-profit less-than-4-year institutions and average amount of aid awarded, by selected student and institutional characteristics: Fall 1986--Continued

			Type of Aid				Average Amount		
	Self contrib	Parent contrib	Any aid	Fed aid	Grants	Loans	Any aid	Grants	Loans
Mother's education									
Less than HS	58.7	21.2	89.1	84.6	70.6	71.7	3393	2191	2391
High school only	71.9	22.7	85.1	83.1	58.1	72.8	3334	2014	2486
Voc tech/lt 2 yrs pse	62.0	24.7	88.5	82.3	69.8	69.6	3555	2301	2730
AA/gt 2 yrs pse	61.2	44.0	96.0	93.5	66.4	87.6	3739	1870	2763
BA or BS	69.0	37.9	92.0	86.1	72.4	75.2	3450	1950	2761
Advanced degree	75.2	28.9	84.2	78.1	54.1	68.0	3320	Low-N	2628
Father's education									
Less than HS	60.3	21.8	89.8	85.6	69.2	71.9	3323	2206	2401
High school only	68.0	23.9	85.5	81.7	61.2	70.0	3448	2070	2581
Voc tech/lt 2 yrs pse	65.0	34.9	89.9	85.5	66.8	73.6	3511	2395	2572
AA/gt 2 yrs pse	70.9	23.7	87.3	86.1	69.4	76.0	3307	1785	2678
BA or BS	63.5	21.3	90.5	87.6	63.0	81.0	3436	1819	2636
Advanced degree	57.0	39.0	76.4	72.8	47.9	62.8	3272	Low-N	2582
Enrollment level									
First year	59.9	23.3	90.9	88.0	67.3	75.4	3418	2062	2518
Second year	70.4	18.2	84.3	81.4	61.8	65.2	3263	2389	2507
Third year	61.3	28.0	79.3	71.2	63.0	56.6	3210	2243	2592
Fourth year or more	57.8	27.3	95.1	92.0	79.0	72.9	2957	2001	2213
Attendance status									
Full-time	61.3	23.5	90.6	87.4	69.6	72.5	3411	2240	2509
Part-time	60.5	19.6	80.8	76.6	55.9	71.0	3259	1578	2480
Educational objective									
Certificate/award	58.8	24.1	89.8	86.1	67.4	74.2	3397	2065	2521
Associate degree	67.4	23.3	88.0	84.5	64.3	67.3	3334	2503	2528
Bachelor's degree	73.7	14.2	89.5	89.5	67.0	78.5	Low-N	Low-N	Low-N
Other	62.4	18.2	87.4	85.9	70.9	73.5	3528	1826	2530
No formal award	71.5	8.8	74.9	68.5	63.2	57.2	3497	Low-N	Low-N
Undecided	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N	Low-N
Employment status									
Working full-time	73.2	18.3	81.0	77.5	44.2	71.0	3098	1745	2602
Working part-time	69.7	29.1	90.8	89.6	71.3	76.8	3524	1919	2576
Not employed	53.1	21.7	90.5	86.2	73.4	70.6	3420	2309	2434

†See the glossary in Appendix A for a description of income data.

SOURCE: The 1986-87 National Postsecondary Student Aid Study, Updated Record and Student Questionnaire Data File, CS 89-312m.

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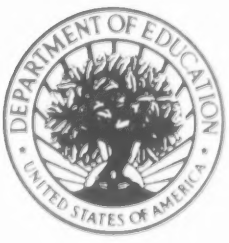
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